

REISSUE PATENT APPLICATION TRANSMITTAL

Address to: Mail Stop Reissue Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Attorney Docket No.	1116-147-RE4
	First Named Inventor	Darren P. Briggs
	Original Patent Number	7,080,139
	Original Patent Issue Date (Month/Day/Year)	07/18/2006
	Express Mail Label No.	N/A

APPLICATION FOR REISSUE OF:

(Check applicable box)



Utility Patent



Design Patent



Plant Patent

APPLICATION ELEMENTS (37 CFR 1.173)

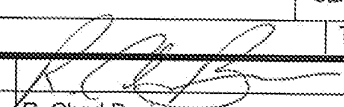
1. ☒ Fee Transmittal Form (PTO/SB/56)
2. ☐ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification and Claims in double column copy of patent format (amended, if appropriate)
4. ☒ Drawing(s) (proposed amendments, if appropriate)
5. ☒ Reissue Oath/Declaration or Substitute Statement (37 CFR 1.175) (PTO/AIA/05, 06 or 07)
6. ☒ Application Data Sheet **NOTE:** Benefit claims under 37 CFR 1.78 and foreign priority claims under 37 CFR 1.55 **MUST** be set forth in an Application Data Sheet (ADS).
7. ☒ Original U.S. Patent currently assigned? ☒ Yes ☐ No
(If Yes, check applicable box(es))
 - ☒ Written Consent of all Assignees (PTO/AIA/53)
 - ☒ 37 CFR 3.73(c) Statement (PTO/AIA/06)
8. ☐ CD-ROM or CD-R in duplicate, Computer Program (Appendix) or large table
 - ☐ Landscape Table on CD
9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, items a. - c. are required)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM (2 copies) or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

10. ☒ Statement of status and support for all changes to the claims. See 37 CFR 1.173(c).
11. ☐ Power of Attorney
12. ☐ Information Disclosure Statement (IDS)
PTO/SB/08 or PTO-1449
☐ Copies of citations attached
13. ☐ English Translation of Reissue Oath/Declaration (if applicable)
14. ☒ Preliminary Amendment
15. ☐ Return Receipt Postcard (MPEP § 503) (Should be specifically itemized)
16. ☐ Other:

☒ This is a continuation reissue or divisional reissue application (i.e., a second or subsequent reissue application for the same issued patent). (Check box if applicable)

17. CORRESPONDENCE ADDRESS

☒ The address associated with Customer Number: 71739		OR		☐ Correspondence address below	
Name					
Address					
City		State		Zip Code	
Country		Telephone		Email	
Signature				Date	
 R. Chad Beving				May 14, 2013	
Name (Print/Type)				Registration No. (Attorney/Agent)	
R. Chad Beving				51468	

This collection of information is required by 37 CFR 1.173. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Reissue, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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REISSUE APPLICATION FEE TRANSMITTAL FORM						Docket Number (Optional) 1116-147-RE4			
Application as Filed - Part 1									
	(1) Claims in Patent	(2) Claims Filed in Reissue Application	(3) Number Extra	Micro Entity		Small Entity		Undiscounted	
				Rate (\$)	Fee (\$)	Rate (\$)	Fee (\$)	Rate (\$)	Fee (\$)
Total Claims (37 CFR 1.16(i))	(A) 32	(B) 32	* 12 =	x	=	x	=	x 80 =	960
Ind. Claims (37 CFR 1.16(h))	(C) 3	(D) 3	** 0 =	x	=	x	=	x 420 =	0
Application Size Fee (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$400 (\$200 for small entity, \$100 for micro entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
	Filing Fee (37 CFR 1.16(e))								280
	Search Fee (37 CFR 1.16(n))								600
	Examination Fee (37 CFR 1.16(r))								720
	Total Filing Fee								2580
Application as Amended - Part 2									
	(1) Claims Remaining After Amendment	(2) Highest Number Previously Paid For	(3) Extra Claims Present	Micro Entity		Small Entity		Undiscounted	
				Rate (\$)	Fee (\$)	Rate (\$)	Fee (\$)	Rate (\$)	Fee (\$)
Total Claims (37 CFR 1.16(i))	*** 77	**** 32	= 45	x	=	x	=	x 80 =	3600
Ind. Claims (37 CFR 1.16(h))	*** 22	***** 3	= 19	x	=	x	=	x 420 =	7980
Application Size Fee (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$400 (\$200 for small entity, \$100 for micro entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
Total Additional Fee									11,580
* Enter (B) - 20, or enter "0" if (B) is less than 20. ** Enter (D) - minus 3, or enter "0" if (D) is less than 3. *** After any cancellation of claims. **** If the "Highest Number of Total Claims Previously Paid For" is less than 20, enter "20" in this space. ***** If the "Highest Number of Independent Claims Previously Paid For" is less than 3, enter "3" in this space. ☐ Applicant asserts small entity status. See 37 CFR 1.27. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously. ☒ The Director is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. <u>50-7732</u>. ☐ A check in the amount of \$ _____ to cover the filing/additional fee is enclosed. ☒ Payment made via EFS-Web. ☐ Payment by credit card. Form PTO-2038 is attached. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. Signature _____ R. Chad Bevins Typed or Printed Name May 14, 2013 Date 51,468 Registration Number, if applicable 919-238-2300 Telephone Number									

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11, 1.14 and 41.6. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1					Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Darren	P.	Briggs			
Residence Information (Select One)		☒ US Residency ☐ Non US Residency ☐ Active US Military Service				
City	Nashville	State/Province	TN	Country of Residence i	US	
Mailing Address of Inventor:						
Address 1		1920 18th Avenue South				
Address 2						
City	Nashville	State/Province	TN			
Postal Code	37212	Country i	US			
Inventor 2					Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Brady	O.	Bruce			
Residence Information (Select One)		☒ US Residency ☐ Non US Residency ☐ Active US Military Service				
City	San Francisco	State/Province	CA	Country of Residence i	US	
Mailing Address of Inventor:						
Address 1		2817 Lincoln Way				
Address 2						
City	San Francisco	State/Province	CA			
Postal Code	94122	Country i	US			
Inventor 3					Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Michael	W.	Mitchell			
Residence Information (Select One)		☒ US Residency ☐ Non US Residency ☐ Active US Military Service				

Application Data Sheet 37 CFR 1.76		Attorney Docket Number		1116-147-RE4	
		Application Number			
Title of Invention		METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES			
City	Santa Cruz	State/Province	CA	Country of Residence i	US
Mailing Address of Inventor:					
Address 1		109 Peyton Street			
Address 2					
City	Santa Cruz	State/Province	CA		
Postal Code	95060	Country i	US		
Inventor 4					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Emile	L.	Reed	IV	
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Denver	State/Province	CO	Country of Residence i	US
Mailing Address of Inventor:					
Address 1		2700 East Bates Avenue			
Address 2					
City	Denver	State/Province	CO		
Postal Code	80210	Country i	US		
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.					Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence information of this application.			
Customer Number	71739		
Email Address	patents@wt-ip.com	Add Email	Remove Email

Application Information:

Title of the Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
Attorney Docket Number	1116-147-RE4	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	26	Suggested Figure for Publication (if any)	19

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.			
Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	71739		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.					
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
	reissued of	09841475	2001-04-24	7080139	2006-07-18
Prior Application Status		Pending		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
	Continuation of	12820579	2010-06-22		
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12820579	reissued of	09841475	2001-04-24	7080139	2006-07-18
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12820579	Continuation of	12172518	2008-07-14	RE41450	2010-07-20
Prior Application Status		Patented		Remove	

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4		
		Application Number			
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES				
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12820579	reissued of	09841475	2001-04-24	7080139	2006-07-18
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					Add

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

				Remove
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ^j (if applicable)	
Additional Foreign Priority Data may be generated within this form by selecting the Add button.				Add

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.				
Applicant 1				Remove
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.				
Clear				
☐ Assignee	☐ Legal Representative under 35 U.S.C. 117	☐ Joint Inventor		
☐ Person to whom the inventor is obligated to assign.		☐ Person who shows sufficient proprietary interest		
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:				
Name of the Deceased or Legally Incapacitated Inventor :				
If the Applicant is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
Mailing Address Information:			
Address 1			
Address 2			
City		State/Province	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button.			Add

Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1			
Complete this section only if non-applicant assignee information is desired to be included on the patent application publication in accordance with 37 CFR 1.215(b). Do not include in this section an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest), as the patent application publication will include the name of the applicant(s).			
			Remove
If the Assignee is an Organization check here. ☒			
Organization Name	Tena Technology, LLC		
Mailing Address Information:			
Address 1		1000 North West Street	
Address 2		Suite 1200	
City		Wilmington	State/Province DE
Country i	US	Postal Code	19801
Phone Number		Fax Number	
Email Address			
Additional Assignee Data may be generated within this form by selecting the Add button.			Add

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications

Signature	/R. Chad Bevins/	Date (YYYY-MM-DD)	2013-05-14

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4		
		Application Number			
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES				
First Name	R. Chad	Last Name	Bevins	Registration Number	51468
Additional Signature may be generated within this form by selecting the Add button.					Add

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

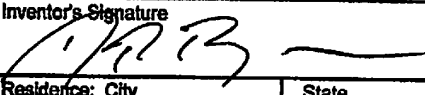
REISSUE APPLICATION DECLARATION BY THE INVENTOR	Docket Number (Optional) 1116-147-RE4
I hereby declare that: Each inventor's residence and mailing address are stated below next to their name. I believe I am the original inventor or an original joint inventor of the subject matter which is described and claimed in patent number <u>7,080,139</u>, granted <u>July 18, 2006</u> and for which a reissue patent is sought on the invention titled <u>METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING</u> <u>COMMUNICATION DEVICE EXPERIENCES</u> the specification of which ☒ is attached hereto. ☐ was filed on _____ as reissue application number _____. The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.) ☐ by reason of a defective specification or drawing. ☒ by reason of the patentee claiming more or less than he had the right to claim in the patent. ☐ by reason of other errors. At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, a claim that the application seeks to broaden must be identified: See attached sheet.	

[Page 1 of 2]

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional) 1116-147-RE4	
Note: To appoint a power of attorney, use form PTO/SB/81. Correspondence Address: Direct all communications about the application to: ☒ The address associated with Customer Number: 71739			
OR			
☐ Firm or Individual Name			
Address			
City			
State			
Zip			
Country			
Telephone			
Email			
WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.			
Legal name of sole or first inventor (E.g., Given Name (first and middle (if any) and Family Name or Surname) Darren P. Briggs			
Inventor's Signature 		Date (Optional) 4/24/13	
Residence: City Nashville	State TN	Country US	
Mailing Address 1920 18th Avenue South			
City Nashville	State TN	Zip 37212	Country US
Additional joint inventors are named on the <u>1</u> supplemental sheet(s) PTO/AIA/10 attached hereto.			

SUPPLEMENTAL SHEET FOR DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet (for PTO/AIA/08,09) Page <u>3</u> of <u>4</u>

Legal Name of Additional Joint Inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Brady O. Bruce			
Inventor's Signature			Date (Optional)
Residence: City San Francisco	State CA	Country US	
2817 Lincoln Way			
Mailing Address			
City San Francisco	State CA	Zip 94122	Country US
Legal Name of Additional Joint Inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Michael W. Mitchell			
Inventor's Signature			Date (Optional)
Residence: City Santa Cruz	State CA	Country US	
109 Peyton Street			
Mailing Address			
City Santa Cruz	State CA	Zip 95060	Country US
Legal Name of Additional Joint Inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Emile L. Reed IV			
Inventor's Signature			Date (Optional)
Residence: City Denver	State CO	Country US	
2700 East Bates Avenue			
Mailing Address			
City Denver	State CO	Zip 80210	Country US

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4. This, again, is a broadening reissue application because narrower dependent claims 33-36 have been added to depend from claim 32.

REISSUE APPLICATION DECLARATION BY THE INVENTOR	Docket Number (Optional) 1116-147-RE4
I hereby declare that: Each inventor's residence and mailing address are stated below next to their name. I believe I am the original inventor or an original joint inventor of the subject matter which is described and claimed in patent number <u>7,080,139</u>, granted <u>July 18, 2000</u> and for which a reissue patent is sought on the invention titled <u>METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING</u> <u>COMMUNICATION DEVICE EXPERIENCES</u> the specification of which ☒ is attached hereto. ☐ was filed on _____ as reissue application number _____. The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.) ☐ by reason of a defective specification or drawing. ☒ by reason of the patentee claiming more or less than he had the right to claim in the patent. ☐ by reason of other errors. At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, a claim that the application seeks to broaden must be identified: See attached sheet.	

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)				Docket Number (Optional) 1116-147-RE4	
Note: To appoint a power of attorney, use form PTO/SB/81. Correspondence Address: Direct all communications about the application to: ☒ The address associated with Customer Number: 71739 OR					
☐ Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone				Email	
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Legal name of sole or first inventor (E.g., Given Name (first and middle (if any) and Family Name or Surname) Darren P. Briggs					
Inventor's Signature			Date (Optional)		
Residence: City	State	Country			
Nashville	TN	US			
Mailing Address 1920 18th Avenue South					
City	State	Zip	Country		
Nashville	TN	37212	US		
Additional joint inventors are named on the <u>1</u> supplemental sheet(s) PTO/AIA/10 attached hereto.					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

SUPPLEMENTAL SHEET FOR DECLARATION	ADDITIONAL INVENTOR(S)	3	4
	Supplemental Sheet (for PTO/AIA/08,09)	Page	of

Legal Name of Additional Joint Inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Brady O. Bruce			
Inventor's Signature		Date (Optional)	
San Francisco		CA	US
2817 Lincoln Way			
Mailing Address			
San Francisco	CA	94122	US
City State Zip Country			
Legal Name of Additional Joint Inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Michael W. Mitchell			
Inventor's Signature		Date (Optional)	
Santa Cruz		CA	US
109 Peyton Street			
Mailing Address			
Santa Cruz	CA	95060	US
City State Zip Country			
Legal Name of Additional Joint Inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Emile L. Reed IV			
Inventor's Signature		Date (Optional)	
Denver		CO	US
2700 East Bates Avenue			
Mailing Address			
Denver	CO	80210	US
City State Zip Country			

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REISSUE APPLICATION DECLARATION BY THE INVENTOR	Docket Number (Optional) 1116-147-RE4
I hereby declare that: Each inventor's residence and mailing address are stated below next to their name. I believe I am the original inventor or an original joint inventor of the subject matter which is described and claimed in patent number <u>7,080,139</u>, granted <u>July 18, 2006</u> reissue patent is sought on the invention titled <u>METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING</u> <u>COMMUNICATION DEVICE EXPERIENCES</u> the specification of which ☒ is attached hereto. ☐ was filed on _____ as reissue application number _____ The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.) ☐ by reason of a defective specification or drawing. ☒ by reason of the patentee claiming more or less than he had the right to claim in the patent. ☐ by reason of other errors. At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, a claim that the application seeks to broaden must be identified: See attached sheet.	

[Page 1 of 2]

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)				Docket Number (Optional) 1116-147-RE4																															
Note: To appoint a power of attorney, use form PTO/SB/81. Correspondence Address: Direct all communications about the application to: ☒ The address associated with Customer Number: 71739 OR <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 2px;">☐ Firm or Individual Name</td> <td colspan="5" style="height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Address</td> <td colspan="5" style="height: 40px;"></td> </tr> <tr> <td style="padding: 2px;">City</td> <td style="width: 25%;"></td> <td style="padding: 2px;">State</td> <td style="width: 25%;"></td> <td style="padding: 2px;">Zip</td> <td style="width: 20%;"></td> </tr> <tr> <td style="padding: 2px;">Country</td> <td colspan="5" style="height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Telephone</td> <td style="width: 30%;"></td> <td style="padding: 2px;">Email</td> <td colspan="3" style="width: 70%;"></td> </tr> </table>						☐ Firm or Individual Name						Address						City		State		Zip		Country						Telephone		Email			
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SUPPLEMENTAL SHEET FOR DECLARATION	ADDITIONAL INVENTOR(S)	Page <u>3</u> of <u>4</u>
	Supplemental Sheet (for PTO/AIA/08,09)	

Legal Name of Additional Joint Inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Brady O. Bruce			
Inventor's Signature		Date (Optional)	
Residence: City	State	Country	
San Francisco	CA	US	
2817 Lincoln Way			
Mailing Address			
City	State	Zip	Country
San Francisco	CA	94122	US
Legal Name of Additional Joint Inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Michael W. Mitchell			
Inventor's Signature		Date (Optional)	
		May 6, 2013	
Residence: City	State	Country	
Santa Cruz	CA	US	
109 Peyton Street			
Mailing Address			
City	State	Zip	Country
Santa Cruz	CA	95060	US
Legal Name of Additional Joint Inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Emile L. Reed IV			
Inventor's Signature		Date (Optional)	
Residence: City	State	Country	
Denver	CO	US	
2700 East Bates Avenue			
Mailing Address			
City	State	Zip	Country
Denver	CO	80210	US

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REISSUE APPLICATION DECLARATION BY THE INVENTOR	Docket Number (Optional) 1116-147-RE4
I hereby declare that: Each inventor's residence and mailing address are stated below next to their name. I believe I am the original inventor or an original joint inventor of the subject matter which is described and claimed in patent number <u>7,080,139</u>, granted <u>July 18, 2006</u> and for which a reissue patent is sought on the invention titled <u>METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING</u> <u>COMMUNICATION DEVICE EXPERIENCES</u> the specification of which ☒ is attached hereto. ☐ was filed on _____ as reissue application number _____. The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.) ☐ by reason of a defective specification or drawing. ☒ by reason of the patentee claiming more or less than he had the right to claim in the patent. ☐ by reason of other errors. At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, a claim that the application seeks to broaden must be identified: See attached sheet.	

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)				PTO/AIA/05 (08-12) Docket Number (Optional) 1116-147-RE4	
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OR					
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Inventor's Signature				Date (Optional)	
Residence: City Nashville		State TN		Country US	
Mailing Address					
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Additional joint inventors are named on the <u>1</u> supplemental sheet(s) PTO/AIA/10 attached hereto.					

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Brady O. Bruce			
Inventor's Signature		Date (Optional)	
Residence: City San Francisco	State CA	Country US	
2817 Lincoln Way			
Mailing Address			
City San Francisco	State CA	Zip 94122	Country US
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Michael W. Mitchell			
Inventor's Signature		Date (Optional)	
Residence: City Santa Cruz	State CA	Country US	
109 Peyton Street			
Mailing Address			
City Santa Cruz	State CA	Zip 95060	Country US
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Emile L. Reed IV			
Inventor's Signature		Date (Optional)	
Residence: City Denver	State CO	Country US	
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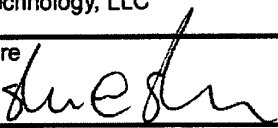
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REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT		Docket Number (Optional) 1116-147-RE4
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) Darren P. Briggs et al.		
Patent Number 7,080,139	Date Patent Issued 7/18/2006	
Title of Invention METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION D		
1. ☒ Filed herein is a statement under 37 CFR 3.73(c). (Form PTO/AIA/96) 2. ☐ Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect. One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee." The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.		
The assignee(s) owning an undivided interest in said original patent is/are <u>Tena Technology, LLC</u> , and the assignee(s) consents to the accompanying application for reissue.		
Name of assignee/inventor (if not assigned) Tena Technology, LLC		
Signature 	Date 5/12/2013	
Typed or printed name and title of person signing for assignee (if assigned) Hugh Svendsen, Chief Executive Officer on behalf of Tena Technology, LLC		

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: Darren P. Briggs et al.
 Application No./Patent No.: TBA Filed/Issue Date: TBA
 Titled: METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING
Tena Technology, LLC, a limited liability corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose one of options 1, 2, 3 or 4 below):

1. ☒ The assignee of the entire right, title, and interest.
2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):
 - ☐ The extent (by percentage) of its ownership interest is ____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
 - ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose one of options A or B below):

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

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2. From: _____ To: _____

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[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

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☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

Hugh Svendsen

Printed or Typed Name

Date

Chief Executive Officer

Title or Registration Number

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Darren P. Briggs et al.

Serial No. TBD

Filed: 05/14/2013

For: **METHOD AND APPARATUS FOR SELECTIVELY SHARING AND
PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES**

Mail Stop Reissue

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Sir:

PRELIMINARY AMENDMENT ACCOMPANYING REISSUE APPLICATION

Enclosed herein please find newly added claims for U.S. Patent No. 7,080,139. A fee in the amount of \$12,540.00 for the additional claims is also enclosed. If any additional fees are required in association with the addition of claims in this amendment, the Director is hereby authorized to charge them to Deposit Account 50-1732, and consider this a petition therefor.

In the Specification:

Please insert the following at column 1, line 1:

The present application is a reissue application of U.S. Patent No. 7,080,139 which issued on July 18, 2006 and a continuation of application serial no. 12/820,579, filed on June 22, 2010, which is a reissue application of U.S. Patent No. 7,080,139 which issued on July 18, 2006 and a continuation of application serial no. 12/172,518, filed on July 14, 2008, now U.S. Patent No. RE41,450 which issued on July 20, 2010, which is a reissue application of U.S. Patent No. 7,080,139 which issued on July 18, 2006.

Please amend column 1, lines 62-65 as follows:

FIGS. ~~[[12-14 is]]~~ 12A, 12B, 13, and 14 are flowcharts illustrating the capture of URL related data from a user. The actions illustrated by these flowcharts apply as well to capture of other item or location related data.

Please amend column 2, lines 4-6 as follows:

~~[[FIG. 16 is]]~~ FIGS. 16A and 16B present a ~~[[flow chart]]~~ flowchart of an activity viewer. The actions illustrated by these flowcharts apply as well to viewing of other item or location related data.

In the Claims:

1-31. (Cancelled)

32. (Once Amended) A computer-implemented method of sharing computer usage experiences, including:

[registering] sending registration information of a user [with] to a registration server to collect and share visited geographic location data using a client-side application [collected] while visiting [[a]] geographic locations [location] with a location-aware device that records the visited geographic locations;

[accessing] enabling access to one or more [of the user's] messaging buddy lists of the user to identify one or more buddies with whom the [tracking data] visited geographic location data may be shared;

[defining] enabling definition of rights of the one or more buddies to access the visited geographic location data; and

[posting] sending information indicating at least a portion of the [user's] visited geographic location data [for the buddies to access according to their defined rights] to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights.

33. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a rating assigned to the visited geographic locations.

34. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a comment on the visited geographic locations.

35. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and an emoticon assigned to the visited geographic locations.

36. The method of claim 32, further comprising:
enabling receipt and display of advertising information.

37. A non-transitory computer-readable medium storing software for instructing a controller of a computing device to:

send registration information of a user to a registration server to collect and share visited geographic location data using a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

enable definition of rights of the one or more other users to access the visited geographic location data; and

send information indicating at least a portion of the visited geographic location data to a tracking server.

38. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and a rating assigned to the geographic locations.

39. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and a comment on the geographic locations.

40. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and arating assigned to the geographic locations.

41. The computer-readable medium of claim 37 wherein the software further instructs the controller of the computing device to display advertising.

42. The computer-readable medium of claim 41 wherein the advertising is capable of moving.

43. A method of operation of a location-aware device comprising:

sending registration information to a registration server from the location-aware device;

enabling access to one or more lists of other users to identify one or more other users with whom visited geographic location data is to be shared;

enabling definition of access rights for the one or more other users to access the visited geographic location data;

collecting the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

reporting information indicating at least a portion of the visited geographic location data collected by the location-aware device.

44. The method of claim 43 wherein enabling the definition of the access rights for the one or more other users comprises receiving, via a user interface of the location-aware device, input that defines at least one user of the one or more other users from the one or more lists of other users that is to have access to the visited geographic location data.

45. The method of claim 43 further comprising automatically and passively recording the data defining the geographic locations visited by the location-aware device.

46. The method of claim 45 wherein reporting the information indicating the at least a portion of the visited geographic location data comprises automatically and passively reporting the information indicating the at least a portion of the visited geographic location data.

47. The method of claim 43 wherein the definition of the access rights for the one or more other users to access the visited geographic location data comprises, for each other user of at least a subset of the one or more other users, receiving, via a user interface of the location-aware device, input that defines one or more categories of the visited geographic location data to be shared with the other user.

48. The method of claim 43 wherein the definition of the access rights for the one or more other users to access the visited geographic location data comprises, for each category of at least a subset of a plurality of categories of the visited geographic location data, receiving, via a user interface of the location-aware device, input that defines at least one other user of the one or more other users to have access to the category of the visited geographic location data.

49. The method of claim 43 wherein reporting the information indicating the at least a portion of the visited geographic location data comprises reporting the information indicating the at least a portion of the visited geographic location data to the registration server.

50. The method of claim 43 wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device.

51. The method of claim 43 wherein the one or more lists of other users comprises a contact list maintained by the location-aware device.

52. The method of claim 43 wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device.

53. The method of claim 43 wherein the visited geographic location data further defines ratings assigned to one or more of the geographic locations visited by the location-aware device.

54. The method of claim 43 wherein the visited geographic location data further defines comments on one or more of the geographic locations visited by the location-aware device.

55. The method of claim 43 wherein the visited geographic location data further defines emoticons assigned to one or more of the geographic locations visited by the location-aware device.

56. The method of claim 43, further comprising:
enabling receipt and display of advertising information.

57. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:
enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application.; and

report information indicating at least a portion of the visited geographic location data to a tracking server.

58. The computer-readable medium of claim 57 wherein in order to enable the definition of the access rights for the one or more other users to access the visited geographic location data, the software further instructs the controller of the location-aware device to receive, via a user interface of the location-aware device, input that defines at least one user of the one or more other users from the one or more lists of other users that is to have access to the visited geographic location data.

59. The computer-readable medium of claim 57 wherein in order to collect the visited geographic location data, the software further instructs the controller of the location-aware device to automatically and passively record the data defining the geographic locations visited by the location-aware device.

60. The computer-readable medium of claim 59 wherein in order to report the information indicating the at least a portion of the visited geographic location data, the software further instructs the controller of the location-aware device to automatically and passively report the information indicating the at least a portion of the visited geographic location data.

61. The computer-readable medium of claim 57 wherein in order to enable the definition of the access rights for the one or more other users to access the visited geographic location data, the software further instructs the controller of the location-aware device to, for each other user of at least a subset of the one or more other users, receive, via a user interface of the location-aware device, input that defines one or more categories of the visited geographic location data that can be shared with the other user.

62. The computer-readable medium of claim 57 wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device.

63. The computer-readable medium of claim 57 wherein the one or more lists of other users comprises a contact list maintained on the location-aware device.

64. The computer-readable medium of claim 57 wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device.

65. The computer-readable medium of claim 57 wherein the visited geographic location data further defines ratings assigned to one or more of the geographic locations visited by the location-aware device.

66. The computer-readable medium of claim 57 wherein the visited geographic location data further defines comments on one or more of the geographic locations visited by the location-aware device.

67. The computer-readable medium of claim 57 wherein the visited geographic location data further defines emoticons assigned to one or more of the geographic locations visited by the location-aware device.

68. A method of operation of a server to share computer usage experiences, comprising the following computer-implemented steps:

receiving, at the server, a registration for automatic client-side collection and sharing of visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations;

enabling access to one or more messaging buddy lists and selection of one or more buddies with whom the visited geographic location data may be shared from the one or more messaging buddy lists;

obtaining defined rights of the one or more buddies to access the visited geographic location data; and

reporting information indicating at least a portion of the visited geographic location data for the one or more buddies to access according to the rights defined for the one or more buddies.

69. A method of operation of a client-side application including:

sending registration information to a registration server to collect and share visited geographic location data using the client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations;

enabling identification of one or more buddies with whom the visited geographic location data may be shared from one or more messaging buddy lists;

enabling definition of rights of the one or more buddies to access the visited geographic location data; and

reporting information indicating at least a portion of the visited geographic location data to a tracking server.

70. A non-transitory computer-readable medium storing software for instructing a controller of a registration and tracking server to:

receive, at the registration and tracking server, a registration to collect and share visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the geographic locations;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

obtain defined rights of the one or more other users to access the visited geographic location data; and

report information indicating at least a portion of the visited geographic location data for the one or more other users to access according to the rights defined for the one or more other users.

71. A non-transitory computer-readable medium storing software for instructing a controller of a device to:

communicate with a registration server to register with the registration server to collect visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the geographic locations;

enable the user to select one or more other users with whom the visited geographic location data may be shared from one or more lists of other users;

enable the user to define rights of the one or more other users to access the visited geographic location data; and

report information indicating at least a portion of the visited geographic location data for the one or more other users to a tracking server.

72. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that has registered with a registration server to:

enable identification of one or more other users with whom visited geographic location data is to be shared from one or more lists of other users;

enable definition of access rights for the one or more other users to allow for access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device, the visited geographic location data comprising data that defines the geographic locations visited by the location-aware device; and

report information indicating at least a portion of the visited geographic location data.

73. A method of operation of a server computer comprising:

receiving registration information from a location-aware device;

receiving information indicating visited geographic location data from the location-aware device, the visited geographic location data being data defining geographic locations collected at the location-aware device from a client-side application;

obtaining access rights for one or more other users to allow for access to the visited geographic location data, the one or more other users being one or more other users from one or more lists of other users with whom the visited geographic location data is to be shared; and

sharing at least a portion of the visited geographic location data with the one or more other users according to the access rights defined for the one or more other users.

74. The method of claim 73 wherein the access rights for the one or more other users to access the visited geographic location data comprises, for each other user of at least a subset of the one or more other users, information that defines one or more categories of the visited geographic location data to be shared with the other user.

75. The method of claim 73 wherein the access rights for the one or more other users to access the visited geographic location data comprises, for each category of at least a subset of a plurality of categories of the visited geographic location data, information that defines at least one other user of the one or more other users to have access to the category of the visited geographic location data.

76. The method of claim 73 wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device.

77. The method of claim 73 wherein the one or more lists of other users comprises a contact list maintained on the location-aware device.

78. The method of claim 73 wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device.

79. The method of claim 73 further comprising:
quantifying relative influence of at least one user on other users.

80. The method of claim 79, wherein quantifying the relative influence of the at least one user includes a frequency metric.

81. The method of claim 73, further comprising:
offering up to the client-side application context sensitive information associated with the geographic locations visited by the location-aware device.

82. The method of claim 81, wherein the context sensitive information may include ratings of the geographic locations visited by the location-aware device.

83. The method of claim 73, further comprising:
presenting information to the client-side application based on information received regarding the geographic locations visited by the location-aware device.

84. The method of claim 73, further comprising:
downloading client software to the location-aware device.

85. The method of claim 73, further comprising:
aggregating information received from the location-aware device with information from the one or more other users.

86. The method of claim 73, further comprising:
sending the registration information to the location-aware device which includes contractual terms which limit the use of information collected from the user of the location-aware device.

87. A non-transitory computer-readable medium storing software for instructing a controller of a server to:

receive at the server a registration to collect and share computer usage experiences for sharing, wherein the computer usage experiences include Internet browsing;

enable access to one or more lists of other users to identify one or more other users with whom the computer usage experiences may be shared;

obtain defined rights of the one or more other users to access the computer usage experiences; and

report information indicating at least a portion of the computer usage experiences for the one or more other users to access according to the rights defined for the one or more other users.

88. A non-transitory computer-readable medium storing software for instructing a controller of a server to:

receive at the server a registration to collect and share computer usage experiences for sharing, wherein the computer usage experiences include listening to songs;

enable access to one or more lists of other users to identify one or more other users with whom the computer usage experiences may be shared;

obtain defined rights of the one or more other users to access the computer usage experiences; and

report information indicating at least a portion of the computer usage experiences for the one or more other users to access according to the rights defined for the one or more other users.

89. The computer-readable medium of claim 88, wherein the software further instructs the controller to quantify relative influence of at least one user on other users.

90. A non-transitory computer-readable medium storing software for instructing a controller of a server to:

receive at the server a registration to collect and share computer usage experiences for sharing, wherein the computer usage experiences include viewing videos;

enable access to one or more lists of other users to identify one or more other users with whom the computer usage experiences may be shared;

obtain defined rights of the one or more other users to access the computer usage experiences; and

report information indicating at least a portion of the computer usage experiences for the one or more other users to access according to the rights defined for the one or more other users.

91. A non-transitory computer-readable medium storing software for instructing a controller of a server to:

receive at the server a registration to collect and share computer usage experiences for sharing;

enable access to one or more lists of other users to identify one or more other users with whom the computer usage experiences may be shared;

obtain defined rights of the one or more other users to access the computer usage experiences; and

post information indicating at least a portion of the computer usage experiences for the one or more other users to access according to the rights defined for the one or more other users.

92. A computer-implemented method of sharing computer usage experiences, including:
communicating with a registration server to register for automatic and passive client-side collection of computer usage experiences of the user for sharing, wherein the computer usage experiences include viewing videos;

enabling definition of access rights to the computer usage experiences of the user for one or more other users from a plurality of other users identified in one or more lists of other users;

tracking automatically and passively on the client-side at least a portion of the computer usage experiences of the user; and

automatically reporting information indicating the computer usage experiences of the user to a tracking server.

93. A computer-implemented method of sharing computer usage experiences, including:
communicating with a registration server to register a user for automatic and passive client-side collection of computer usage experiences for sharing, wherein the computer usage experiences include purchasing items;

enabling definition of access rights to the computer usage experiences of the user for one or more other users from a plurality of other users identified in one or more lists of other users;

tracking automatically and passively on the client-side at least a portion of the computer usage experiences of the user; and

automatically reporting information indicating the computer usage experiences of the user to a tracking server.

94. A computer-implemented method of sharing computer usage experiences, including:
communicating with a registration server to register a user for automatic and passive client-side collection of computer usage experiences for sharing;

enabling definition of access rights to the computer usage experiences for one or more other users from a plurality of other users identified in one or more lists of other users;
tracking automatically and passively on the client-side at least a portion of the computer usage experiences of the user; and
automatically reporting information indicating the computer usage experiences to a tracking server.

95. A non-transitory computer-readable medium storing software for instructing a controller of a server to:

receive a registration to collect and share visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the geographic locations;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

obtain defined rights of the one or more other users to access the visited geographic location data; and

report information indicating at least a portion of the visited geographic location data for the one or more other users to access according to the rights defined for the one or more other users.

96. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a thumbs up rating assigned to the visited geographic locations.

97. A computer-implemented method of sharing computer usage experiences, including:
communicating with a registration server to register for collection of computer usage experiences for sharing, wherein the computer usage experiences include adding items to a wish list;

enabling definition of access rights to the computer usage experiences for one or more other users from a plurality of other users identified in one or more lists of other users;

tracking on the client-side at least a portion of the computer usage experiences of the user; and

reporting information indicating the computer usage experiences to a tracking server.

98. A non-transitory computer-readable medium storing software for instructing a controller of a server to:

receive a registration to collect and share computer usage experiences from a client-side application;

report a range of privacy policies and allow opt-in to a specific privacy policy for sharing of the computer usage experiences;

send invitations to a plurality of other users to allow for sharing of the computer usage experiences with the plurality of other users; and

send advertising to the client-side application and receive impression information.

99. The computer-readable medium of claim 98, wherein the computer usage experiences include thumbs up/down ratings of the computer usage experiences.

100. The computer-readable medium of claim 98, further comprising:

the computer usage experiences include geographic locations.

101. The computer-readable medium of claim 98, wherein the advertising is limited to vendors that pay a fee for preferential display.

102. The computer-readable claim of claim 98, wherein the sharing of computer usage experiences is dependent on whether a sharing status is on.

103. A method of operation of a server computer comprising:

receiving registration information from a client-side device;

receiving information indicating computer usage experiences;

reporting a range of privacy policies and allow opt-in to a specific privacy policy for sharing of the computer usage experiences;

sending invitations to a plurality of other users to allow for sharing of the computer usage experiences with the plurality of other users; and

sending advertising to the client-side device and receiving impression information from the client-side device.

104. The method of claim 103, wherein the computer usage experiences include ratings of the computer usage experiences.

105. The method of claim 104, wherein the ratings are comments.

106. The method of claim 104, wherein the ratings are a thumbs up/down binary rating.

107. The method of claim 103, wherein the computer usage experiences include visited geographic location device from the client-side device.

108. A location-aware mobile device having a controller and memory, wherein the controller is configured to:

send location information to a server while visiting geographic locations;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

enable definition of rights of the one or more other users to access the visited geographic location data; and

send information indicating at least a portion of the visited geographic location data to a server.

REMARKS

Applicants herein submit the following remarks to accompany the above amendments.

Specification

The Specification has been amended to describe Figures 12A, 12B, 16A, and 16B as noted above. Applicants submit that no new matter has been added by this amendment.

Status of the Claims

Claims 1-32 were issued in Patent No. 7,080,139 (the “139 Patent”) on July 18, 2006 and are now pending in the present reissue application. Applicants have cancelled claims 1-31. New claims 33-108 are added in this amendment. As such, claims 32-108 are pending in this reissue application.

Explanation of Support in the Disclosure for Amendments to Claims

Claims 1-31 of the original patent have been cancelled.

Claim 32 is an amended version of claim 32 of the original patent.

New claims 33-108 have been added. New claims 33-95 correspond to claims 132-134, 249, 59, 139-141, 223, 224, 88-97, 146-148, 251, 98-105, 149-151, 177, 178, 193, 194, 201, 205-210, 225-232, 215, 216, 244, and 217-222 of the claims submitted in the amendment on January 6, 2012 in the parent reissue application (Serial No. 12/820,579) and subsequently cancelled from the parent reissue application. New claims 96-108 have also been added. Support for new claims 33-108 can be found throughout the Specification. Some non-limiting examples for each of the new claims are provided below. These examples are not intended to limit the scope of the claims. Note that the column and line numbers refer to corresponding reissued patent RE41,450.

- Claim 33: col. 18, line 55.
- Claim 34: col. 18, line 54.
- Claim 35: col. 18, line 54.
- Claim 36: col. 20, lines 2-3.
- Claim 37: col. 17, lines 35-39; col. 19, lines 17-30 and 46-55; col. 17, lines 65-67; col. 19, line 27.
- Claim 38: col. 18, line 55.

- Claim 39: col. 18, line 54.
- Claim 40: col. 18, line 54.
- Claim 41: col. 18, lines 31-50.
- Claim 42: col. 18, line 54.
- Claim 43: col. 17, lines 35-39; col. 17, lines 63-67; col. 18, lines 11-29; col. 18, lines 31-32.
- Claim 44: col. 17, lines 65-67.
- Claim 45: col. 3, lines 30-32.
- Claim 46: col. 18, lines 31-32.
- Claim 47: col. 18, lines 11-15.
- Claim 48: col. 18, lines 11-15.
- Claim 49: col. 18, lines 31-32 and original claim 2.
- Claim 50: col. 18, line 1.
- Claim 51: col. 4, lines 35-55.
- Claim 52: col. 17, lines 46-49.
- Claim 53: col. 18, line 55.
- Claim 54: col. 18, line 54.
- Claim 55: col. 18, line 54.
- Claim 56: col. 20, lines 2-3.
- Claim 57: col. 17, lines 35-39; col. 17, lines 63-67; col. 18, lines 11-29; col. 18, lines 31-32.
- Claim 58: col. 17, lines 65-67; col. 18, lines 11-29.
- Claim 59: col. 3, lines 30-32.
- Claim 60: col. 18, lines 31-32.
- Claim 61: col. 18, lines 11-15.
- Claim 62: col. 18, lines 11-15.
- Claim 63: col. 18, line 1.
- Claim 64: col. 4, lines 35-55.
- Claim 65: col. 18, line 55.
- Claim 66: col. 18, line 54.

- Claim 67: col. 18, line 54.
- Claim 68: col. 17, line 35 through col. 20, line 3.
- Claim 69: col. 17, line 35 through col. 20, line 3.
- Claim 70: col. 17, line 35 through col. 20, line 3.
- Claim 71: col. 17, line 35 through col. 20, line 3.
- Claim 72: col. 19, lines 55-66.
- Claim 73: col. 18, line 48.
- Claim 74: col. 17, line 33 through col. 19, line 61.
- Claim 75: col. 18, lines 59-63.
- Claim 76: col. 18, lines 59-63.
- Claim 77: col. 18, line 1.
- Claim 78: col. 4, lines 55-64.
- Claim 79: col. 18, line 54.
- Claim 80: col. 18, line 55.
- Claim 81: col. 6, lines 38-42.
- Claim 82: col. 6, line 38.
- Claim 83: col. 19, lines 35-36.
- Claim 84: col. 19, line 36.
- Claim 85: col. 19, lines 55-66.
- Claim 86: col. 19, lines 55-66.
- Claim 87: col. 18, line 47.
- Claim 88: col. 18, line 47.
- Claim 89: col. 19, lines 35-36.
- Claim 90: col. 18, line 47.
- Claim 91: col. 18, lines 47-48; col. 13, lines 31-50.
- Claim 92: col. 18, lines 31-50.
- Claim 93: col. 18, lines 47-48.
- Claim 94: col. 18, line 48.
- Claim 95: col. 17, line 33 through col. 19, line 61.
- Claim 96: col. 2, lines 60-61; col. 6, lines 10-13.

- Claim 97: col. 12, lines 18-19.
- Claim 98: col. 5, lines 49-62; col. 6, lines 54-55.
- Claim 99: col. 2, lines 60-61; col. 6, lines 10-13.
- Claim 100: col. 16, line 43 through col. 17, line 19.
- Claim 101: col. 9, lines 43-44.
- Claim 102: col. 11, lines 6-15.
- Claim 103: col. 9, lines 41-43.
- Claim 104: col. 2, line 58.
- Claim 105: col. 2, line 58.
- Claim 106: col. 11, lines 65-66.
- Claim 107: col. 16, line 43 through col. 17, line 19.
- Claim 108: col. 16, line 43 through col. 17, line 19.

Additional Proceedings

Applicants herein inform the Patent Office that a reissue application was previously filed for the '139 Patent and has been issued as Patent No. RE41,450. Applicants further inform the Patent Office that a continuation application of the RE41,450 patent was previously filed and has been assigned patent application serial no. 12/820,579. This application is a continuation of patent application serial no. 12/820,579 and another continuation of patent application serial no. 12/820,579 is being filed concurrently herewith. Applicants further inform the Patent Office that the patent is not, and has not been, involved in any other prior or concurrent proceedings, such as interferences, reissues, reexaminations, or litigation.

Respectfully submitted,

WITHROW & TERRANOVA, P.L.L.C.

By:



R. Chad Bevens

Registration No. 51,468

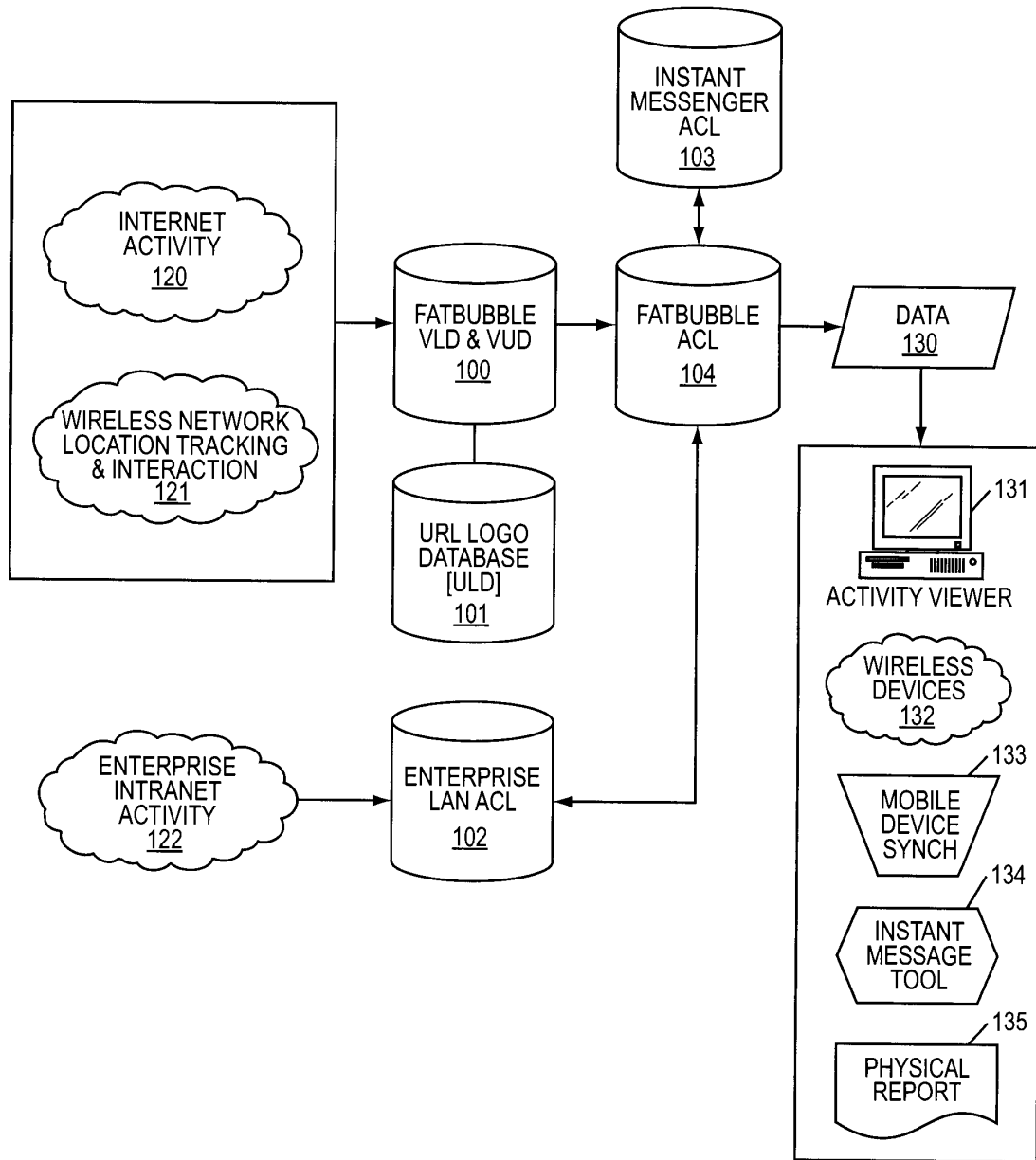
100 Regency Forest Drive, Suite 160

Cary, NC 27518

Telephone: (919) 238-2300

Date: May 14, 2013

Attorney Docket: 1116-147-RE4

**FIG. 1**

fatbubble° Sign On

Type your user name and password to sign on to fatbubble°.

User Name

Password

[Create a new user](#)

[I forgot my password](#)

Sign On

*You must be a registered user to sign on to fatbubble°. Join fatbubble° now!

FIG. 2

fatbubble°

CDNOW: Best of 2000: Hip Hop

Sharing On

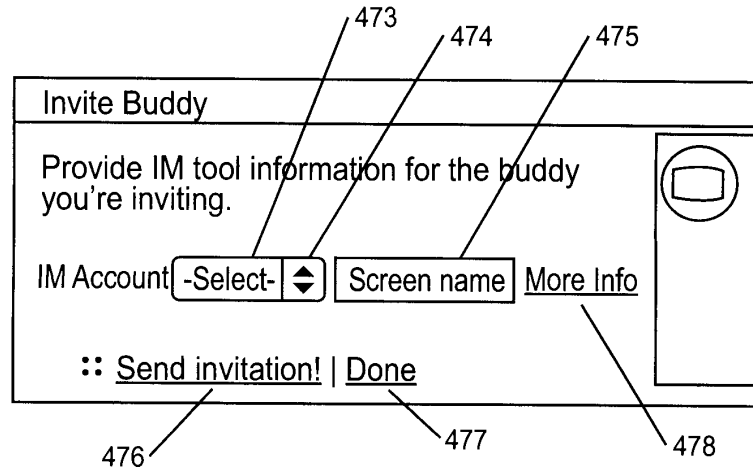
Find!

What's Hot?

future home of [Invite!]

FIG. 3

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Invite Buddy

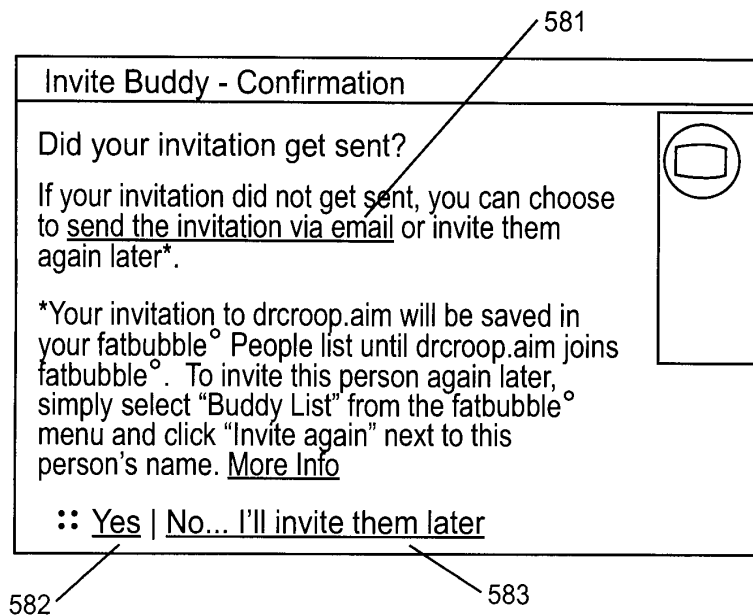
Provide IM tool information for the buddy you're inviting.

IM Account Screen name

Send invitation! Done

FIG. 4 is a screenshot of a software dialog box titled "Invite Buddy". The dialog box has a title bar at the top. Below the title bar, there is a text label "Provide IM tool information for the buddy you're inviting." followed by two input fields: "IM Account" with a dropdown menu showing "-Select-" and "Screen name" with a text input field containing "More Info". To the right of these fields is a vertical sidebar containing a circular icon with a rectangle inside. At the bottom of the dialog box, there is a button labeled "Send invitation!" and a button labeled "Done".

473 474 475 476 477 478

FIG. 4

Invite Buddy - Confirmation

Did your invitation get sent?

If your invitation did not get sent, you can choose to send the invitation via email or invite them again later*.

*Your invitation to drcroop.aim will be saved in your fatbubble° People list until drcroop.aim joins fatbubble°. To invite this person again later, simply select "Buddy List" from the fatbubble° menu and click "Invite again" next to this person's name. More Info

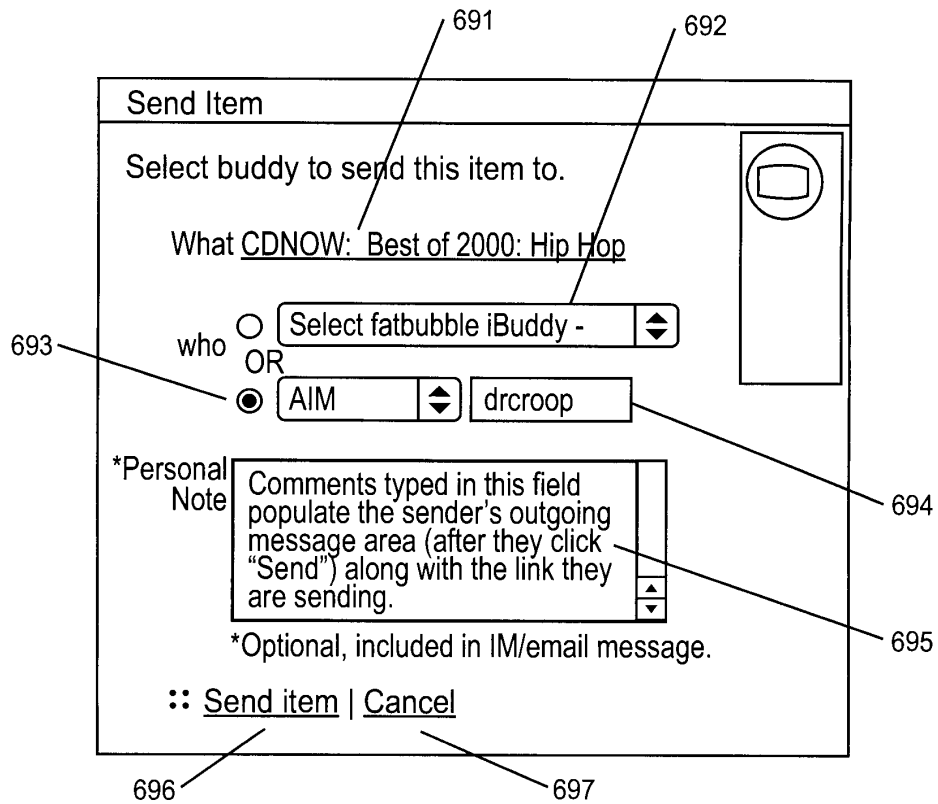
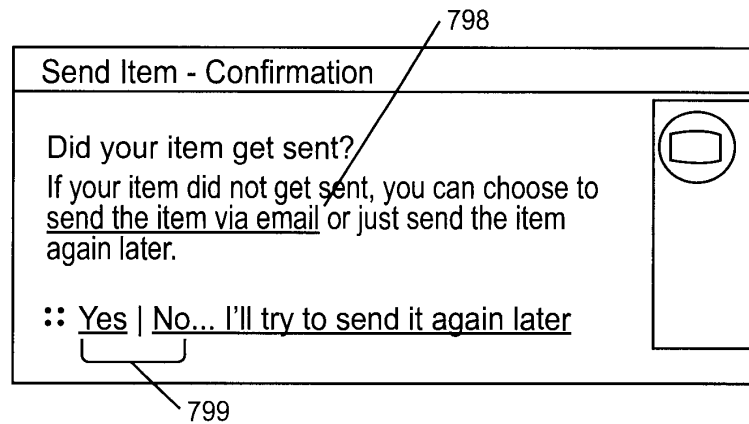
Yes No... I'll invite them later

FIG. 5 is a screenshot of a software dialog box titled "Invite Buddy - Confirmation". The dialog box has a title bar at the top. Below the title bar, there is a text label "Did your invitation get sent?" followed by a paragraph of text: "If your invitation did not get sent, you can choose to send the invitation via email or invite them again later*." Below this is another paragraph of text: "*Your invitation to drcroop.aim will be saved in your fatbubble° People list until drcroop.aim joins fatbubble°. To invite this person again later, simply select 'Buddy List' from the fatbubble° menu and click 'Invite again' next to this person's name. More Info". At the bottom of the dialog box, there are two buttons: "Yes" and "No... I'll invite them later". To the right of the text is a vertical sidebar containing a circular icon with a rectangle inside.

581 582 583

FIG. 5

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**FIG. 6****FIG. 7**

5/26

Buddy List

Administer your list of buddies.

852 Invite a new Buddy! 851

853 854

☒	Who	Contact
☐	<u>bluesclueless</u>	<u>bobbymcgin.aim</u> <u>8920339..icq</u>
☐	<u>friskyriggs</u>	<u>friskyriggs.aim</u>
☐	<username.aim> Resend invitation!	<u>jennyarnold001.aim</u> <u>58903882.icq</u>
☐	<username.aim> Resend invitation!	<u>mickspears288.aim</u> <u>mickyspears100.yah</u>
☐	<u>zapfin</u>	<u>zapfdingbat.aim</u>
☐	<username.aim> Resend invitation!	<u>daveycktt.aim</u>
☐	<newuser>	<u>+Add...</u> <u>+Add...</u>

855

856 Delete Selected Buddy

857 :: Done 858

FIG. 8A

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861

Edit fatbubble° Profile - friskyriggs

866

867

862

863

864

865

Buddy Overview | Contact Information | Topic Sharing | File Sharing

View | Edit

Provide the user IDs for each tool you use to communicate with this buddy. More Info

868

869

870

IM Accounts

AIM	AIM Screen Na	<u>More Info</u>
+ Added row	-Select-	Next Tool ID

872

+ Add Another Account . . .

873

871

874

:: Save Changes

FIG. 8B

7/26

Edit fatbubble° Profile - friskyriggs

[View](#) | [Edit](#)

Buddy Overview	Contact Information	Topic Sharing	File Sharing

Use the checkboxes below to select which topic areas you want to share **by default**. You'll be able to turn these topic areas on or off for each user. [More Info](#)

Topics

881

☒

882

Select/Deselect All

☒ C:/fatbubble/shared/

☐ D:/projects/

☒ X:/shared/music/

[+ Add File/Folder](#)

883

:: [Save Changes](#)

FIG. 8C

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Edit fatbubble° Profile - friskyriggs

[View](#) | [Edit](#)

Buddy Overview	Contact Information	Topic Sharing	File Sharing

Use the checkboxes below to select which topic areas you want to share **by default**. You'll be able to turn these topic areas on or off for each user. [More Info](#)

Topics

891

☒ [Select/Deselect All](#)

892

☒ Arts & Entertainment

☒ Computers & Internet

☒ Food

☒ Games

☒ Health & Fitness

☒ Home

☒ Money

☒ Music

☒ News

☒ People

☒ Reference

☒ Science & Technology

☒ Shopping

☒ Sports

☒ Travel

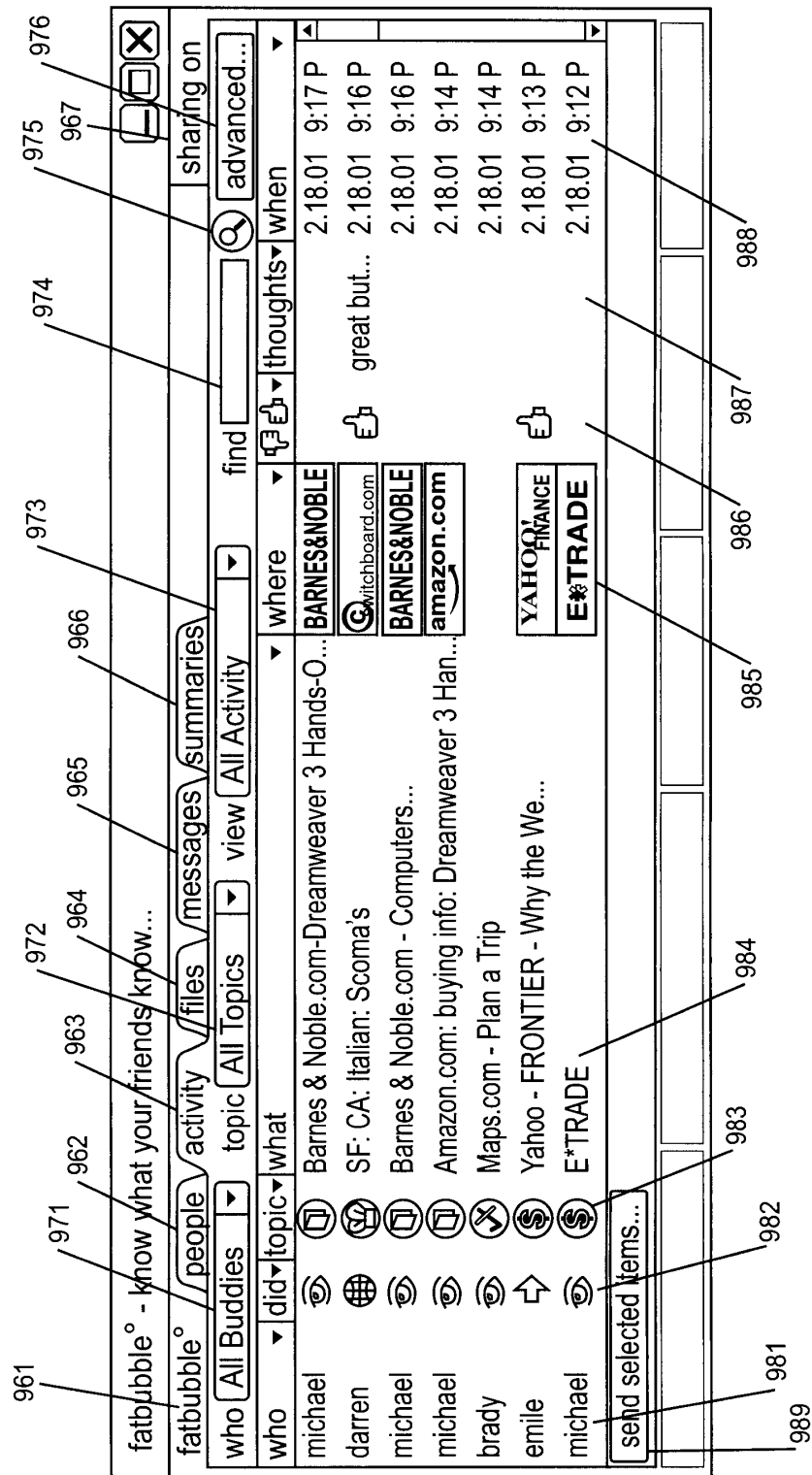
[+ Add Topic Area](#)

893

:: [Save Changes](#)

FIG. 8D

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1051 What's Hot - Top 10 List for week of <2.1.01-2.8.01>
some instructional text regarding how to use this thing...

1052 Top 10 Visits by All fatbubble Members in World Submit

Rank	What	Shop
1	Barnes & Noble.com-Dreamweaver 3 H...	CDNOW
2	CA: SF: Italian: Scoma's	E*TRADE
3	FLIGHT 404	Witchboard.com
4	CDNOW! Best of 2000	CDNOW
5	Barnes & Noble.com-Dreamweaver 3 H...	E*TRADE
6	CA: SF: Italian: Scoma's	Witchboard.com
7	FLIGHT 404	CDNOW
8	CDNOW! Best of 2000	E*TRADE
9	E*TRADE	Witchboard.com
10	CDNOW	Witchboard.com

1061 1063 — Send this list to a friend!

1070 fatbubble v CDNOW: Best of 2000: Hip Hop [What's Hot?] Find! Sharing On

1081 Who [Invite!] [What's Hot?]

1071 Who Did What

username	Where	Rating	Comments	Send When
Barnes & Noble.com-Dreamweaver 3 H...	BARNES & NOBLE	5	=) Rocket	9:17P
CA: SF: Italian: Scoma's	Witchboard.com	5	:) Check it out!	9:17P
FLIGHT 404	Witchboard.com	5	:) Hmm...	9:17P
CDNOW: Best of 2000: Hip Hop	E*TRADE	5	:) Not worth it	9:17P
E*TRADE	CDNOW	5	=) Kill me...	9:17P
CDNOW	CDNOW	5	=) Kill me...	9:17P

1082

1084 Previous 20 | Next 20

1085

FIG. 10

11/26

1151 1152 1153 1154 1155 1156 1157 1158

Who Rating Comments

dobro 9:17P

friskyriags 9:17P

friskyriags 9:17P

friskyriags 9:17P

monkeyboy 9:17P

monkeyboy 9:17P

Previous | Next

Searched the web for beach information Results 1-100 of about 852,000. Search took 0.48 seconds

Categories: [Recreation](#) > [Travel](#) > [Recreations](#) > [Lodging](#) > [Vacation Rental](#) > [Caribbean](#)

[SurfSun.com - Beach Travel Guide](#) — 1157

[Buddies \(2\)](#) 78% fatbubble° (20,000) 78%

States, the Caribbean and the World for your beach travel planning. Travel Center.

Design your custom vacation by searching for prices and availability for...

Description: This guide is a resource for beach information. Choose from hundreds of beaches and travel guides...

Category: [Recreation](#) > [Travel](#) > [Directories](#)

[www.surf-sun.com/ - 19k - Cached - Similar pages](#)

A North Carolina Beach vacation At Southport and Oak Island...

[Buddies \(2\)](#) 78% fatbubble° (20,000) 78%

A Southport & Oak Island, NC Beach Vacation, A North Carolina Beach Vacation: We extend...

Description: She provides information on resort rentals, reservations, real estate, fishing and boating.

Category: Regional > North America > North Carolina > Travel and Tourism > Destinations

[www.rudd.com/ - 10k - Cached - Similar pages](#) — 1167

fatbubble° v CDNOW: Best of 2000: Hip Hop

Who [Invite!] [What's Hot?]

Who Did What

username Barnes & Noble.com-Dreamweaver 3 H...

username CA: SF: Italian: Scoma's

username FLIGHT 404

username CDNOW: Best of 2000: Hip Hop

username E*TRADE

username CDNOW

Where Rating Comments Send When

BARNES&NOBLE 9:17P

publish 9:17P

we show it! 9:17P

E*TRADE 9:17P

CDNOW 9:17P

Comments

=) Rocks

:) Worth a look!

. Hmm...

:) Not worth it

=) Kill me...

Find!

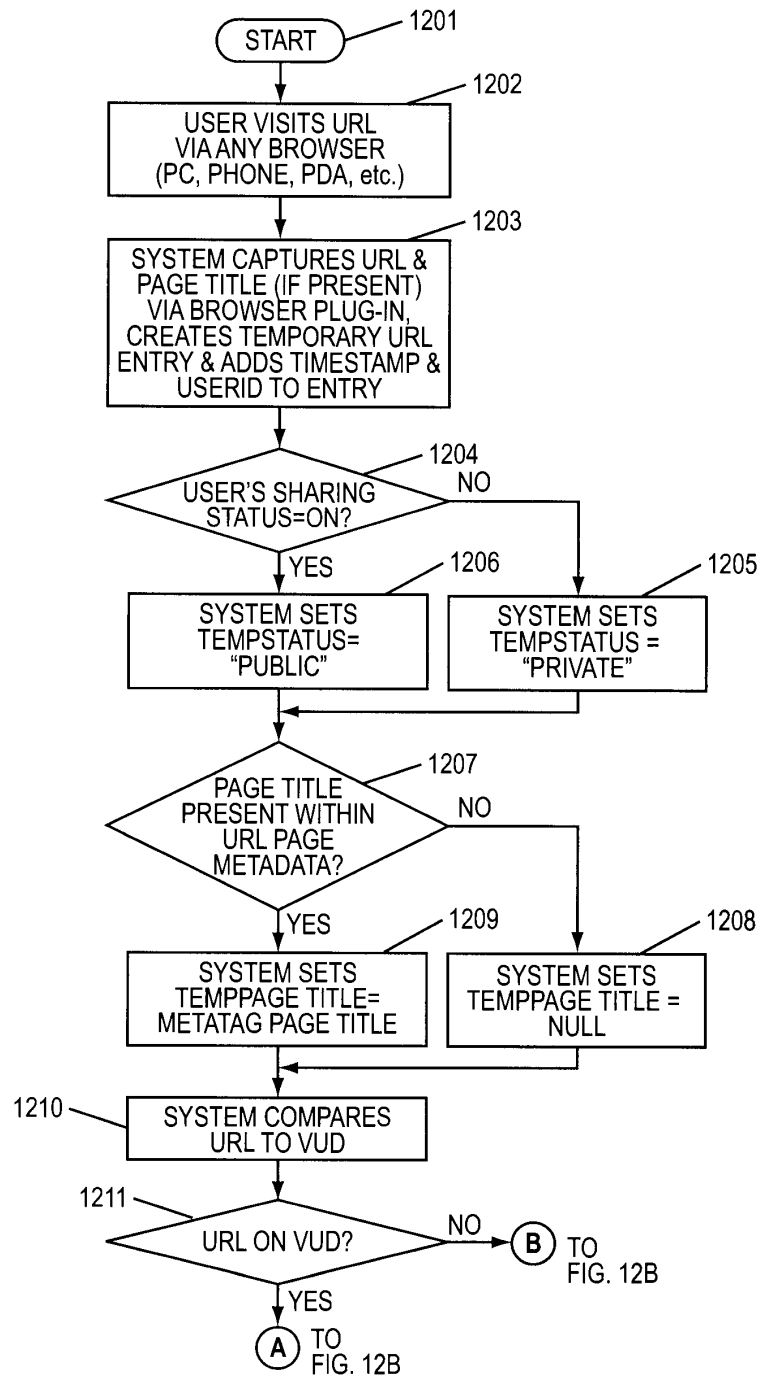
Sharing On

Previous 20 | Next 20

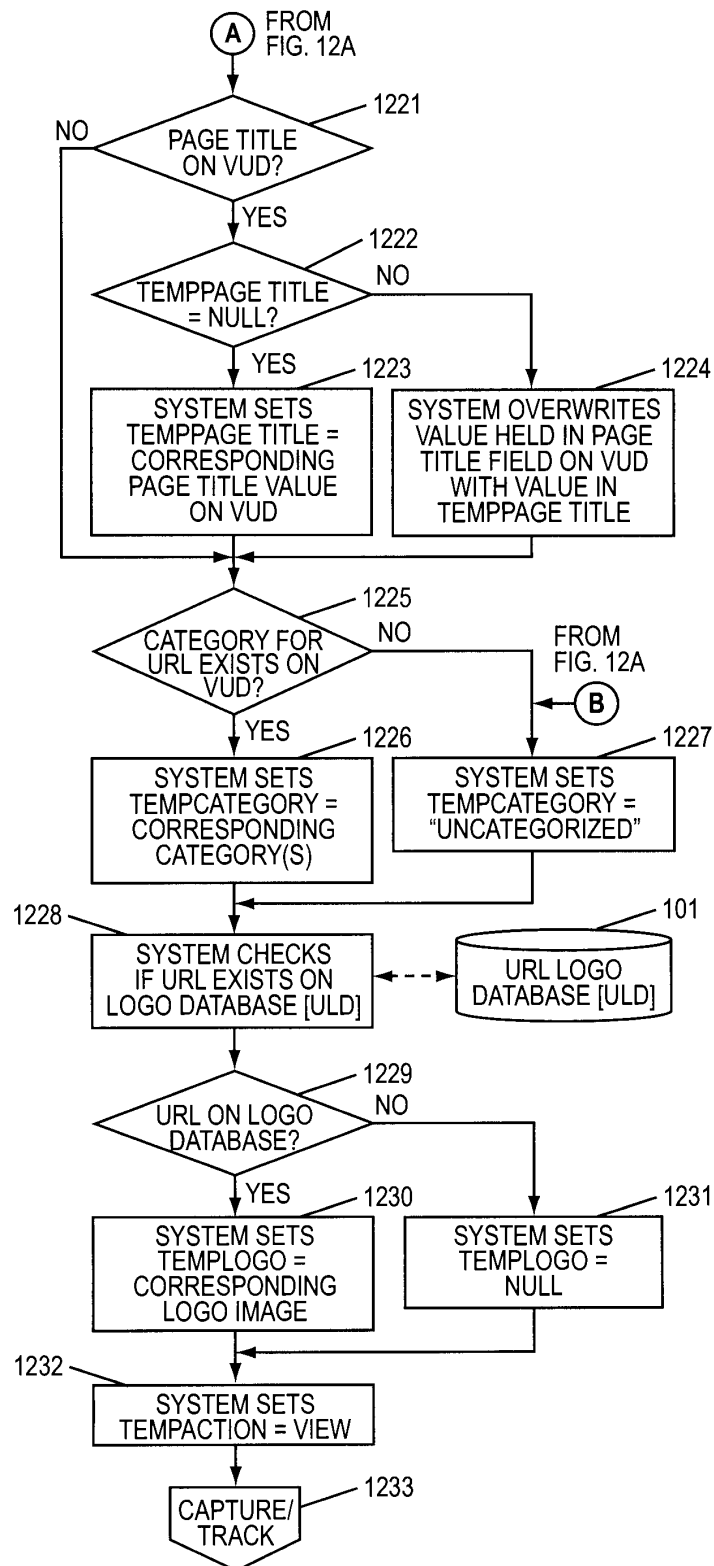
1161 1163 1164 1165 1166

FIG. 11

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**FIG. 12A**

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**FIG. 12B**

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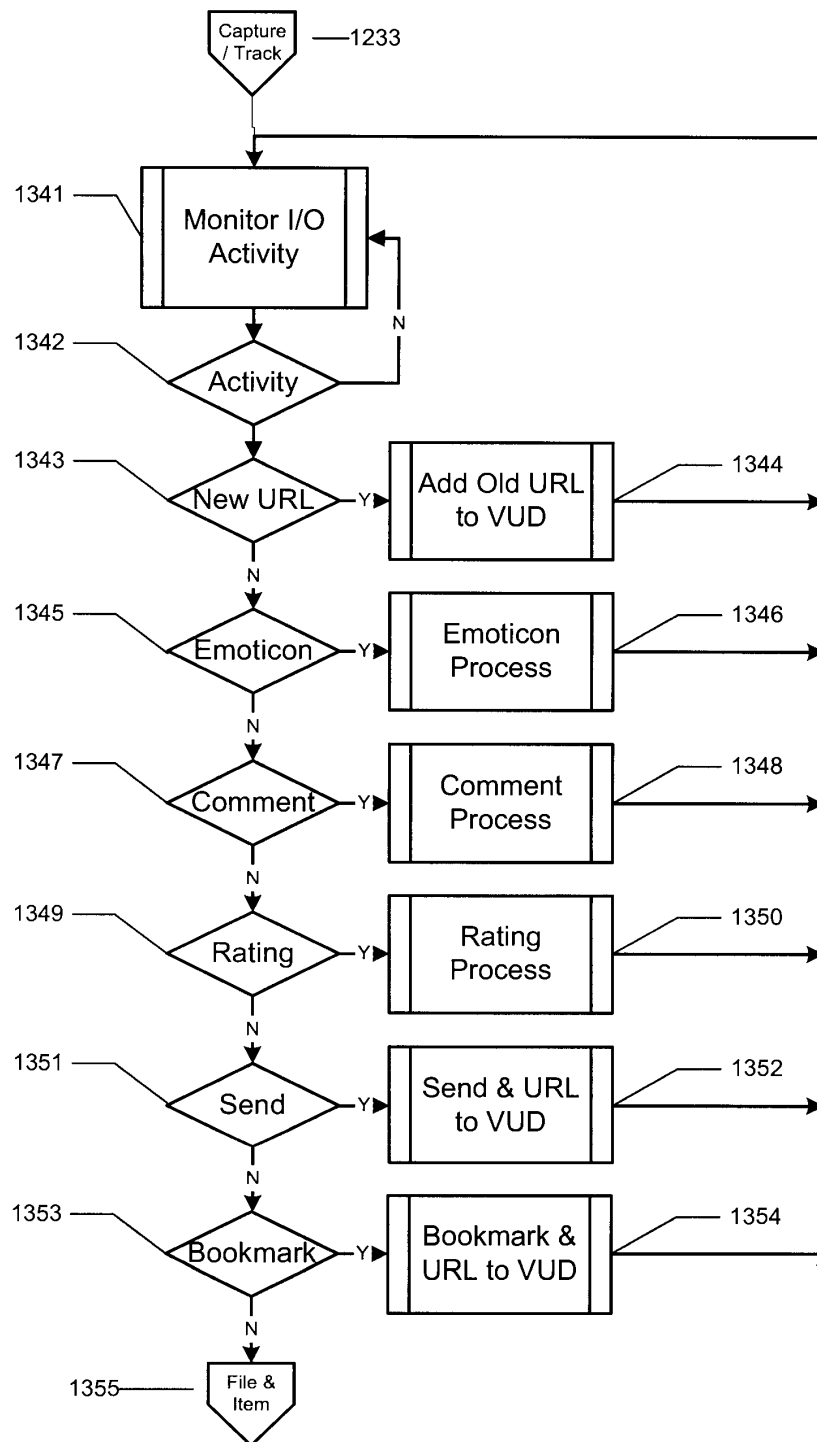


Figure 13

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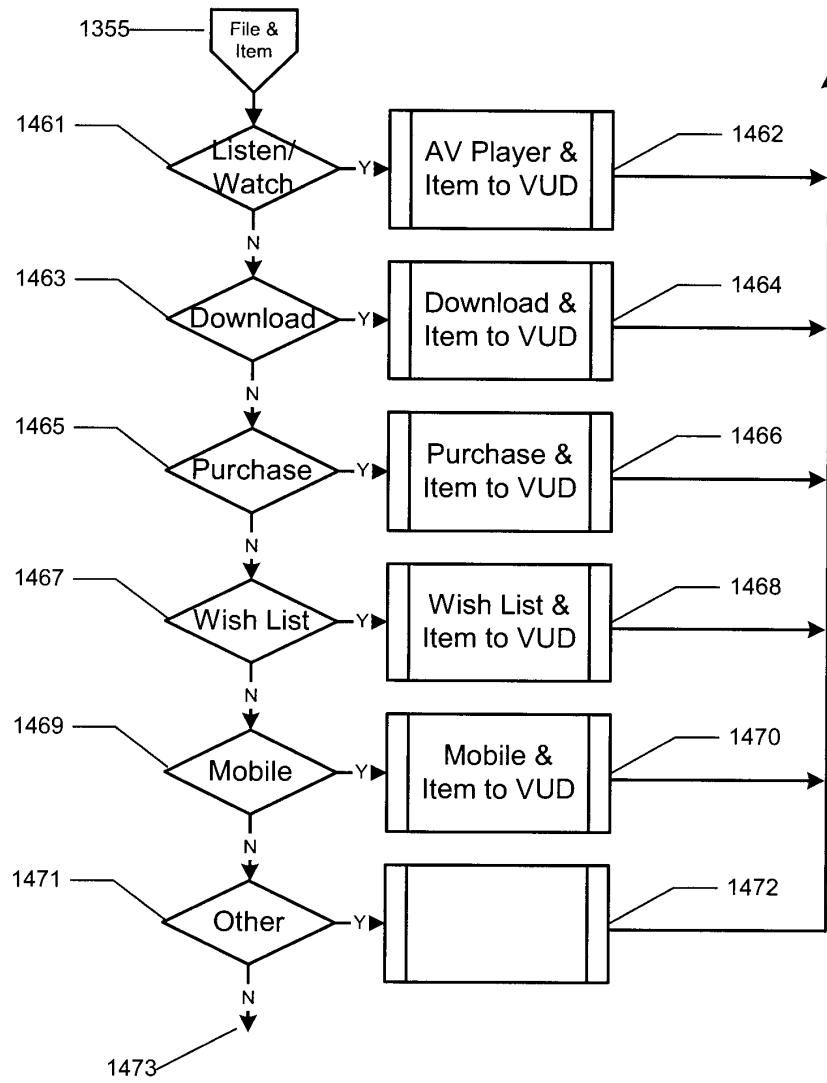
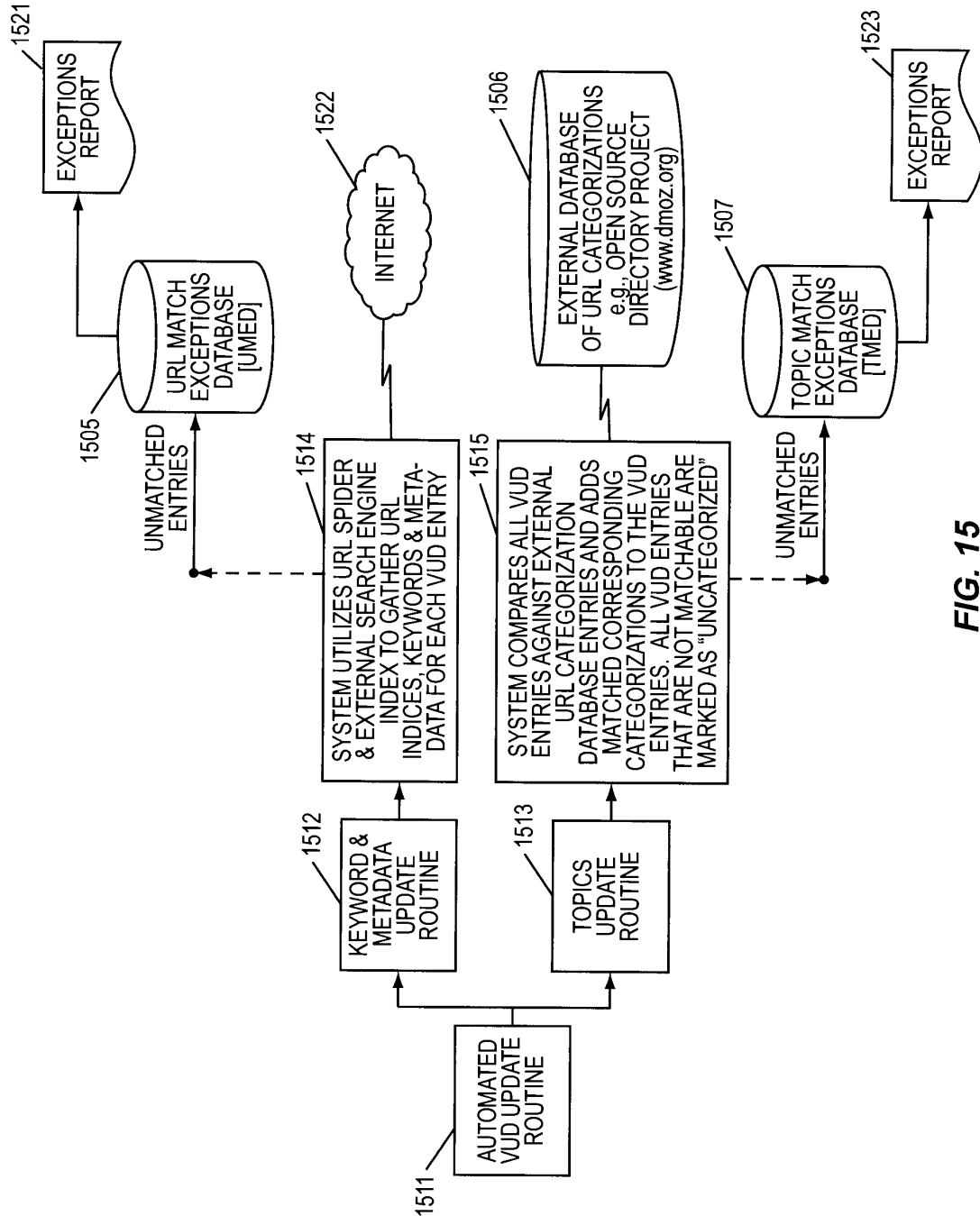
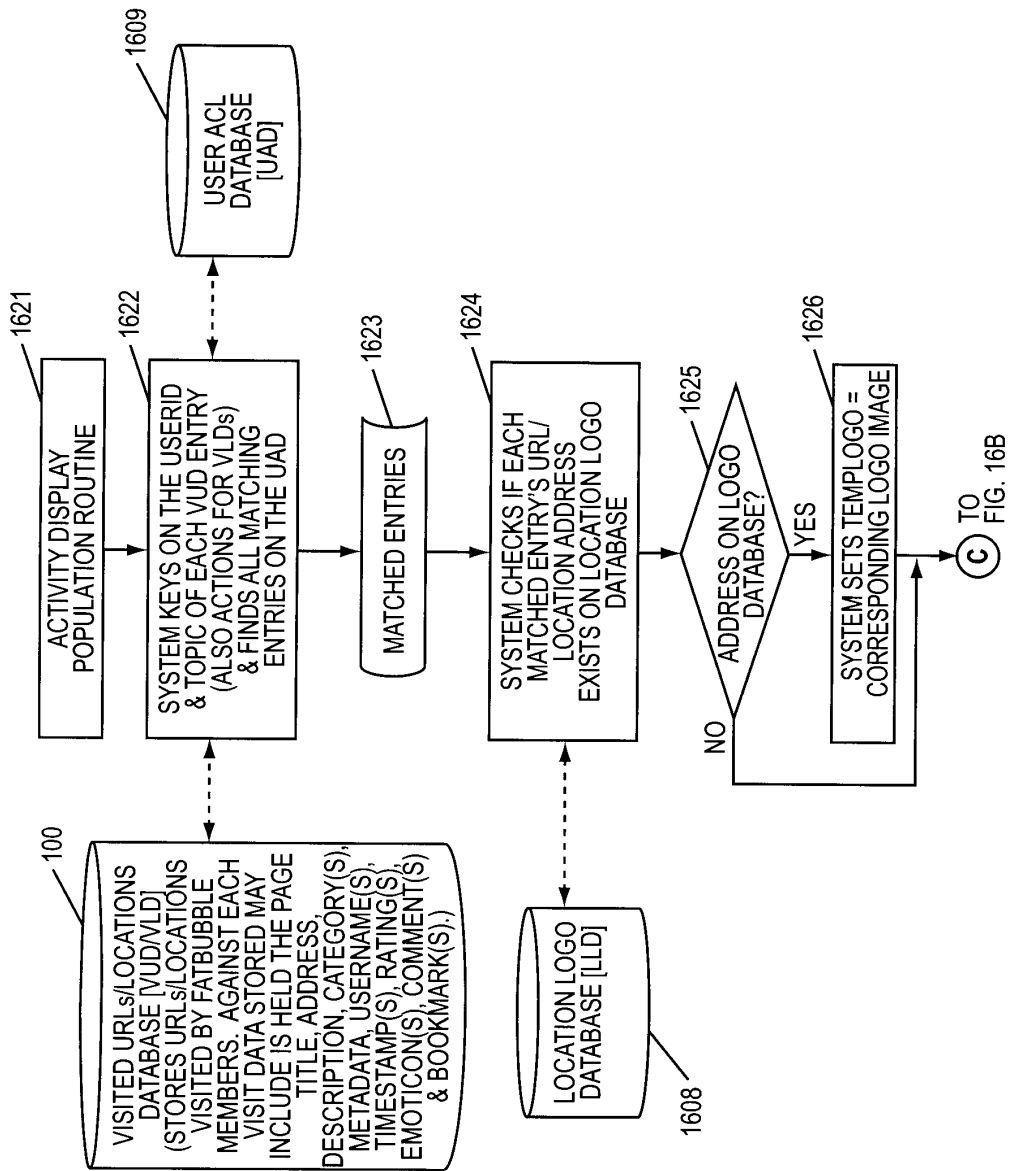


Figure 14

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**FIG. 15**

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**FIG. 16A**

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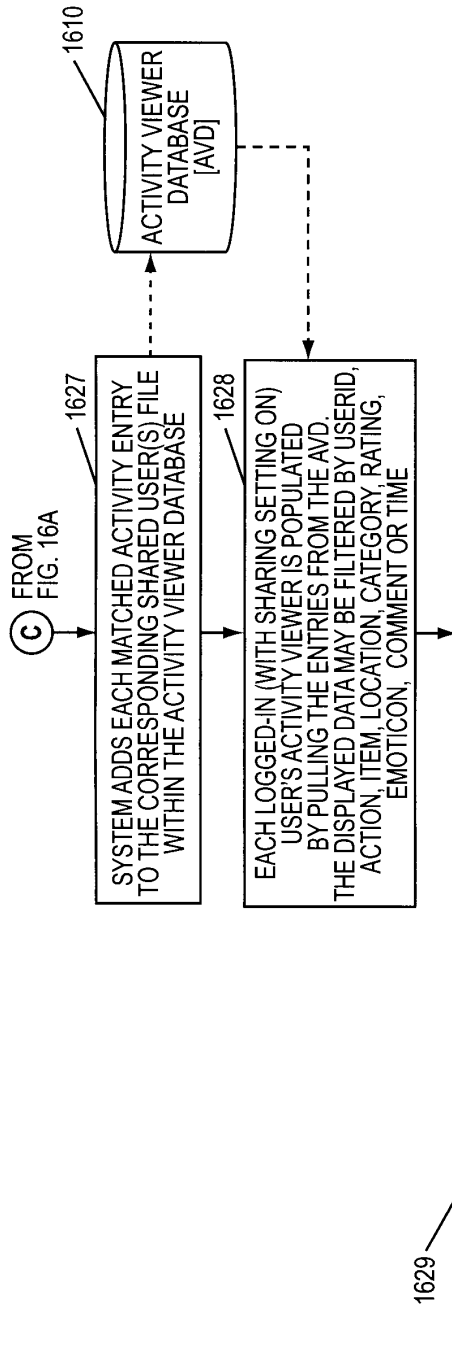


FIG. 16B

REPLACEMENT SHEET

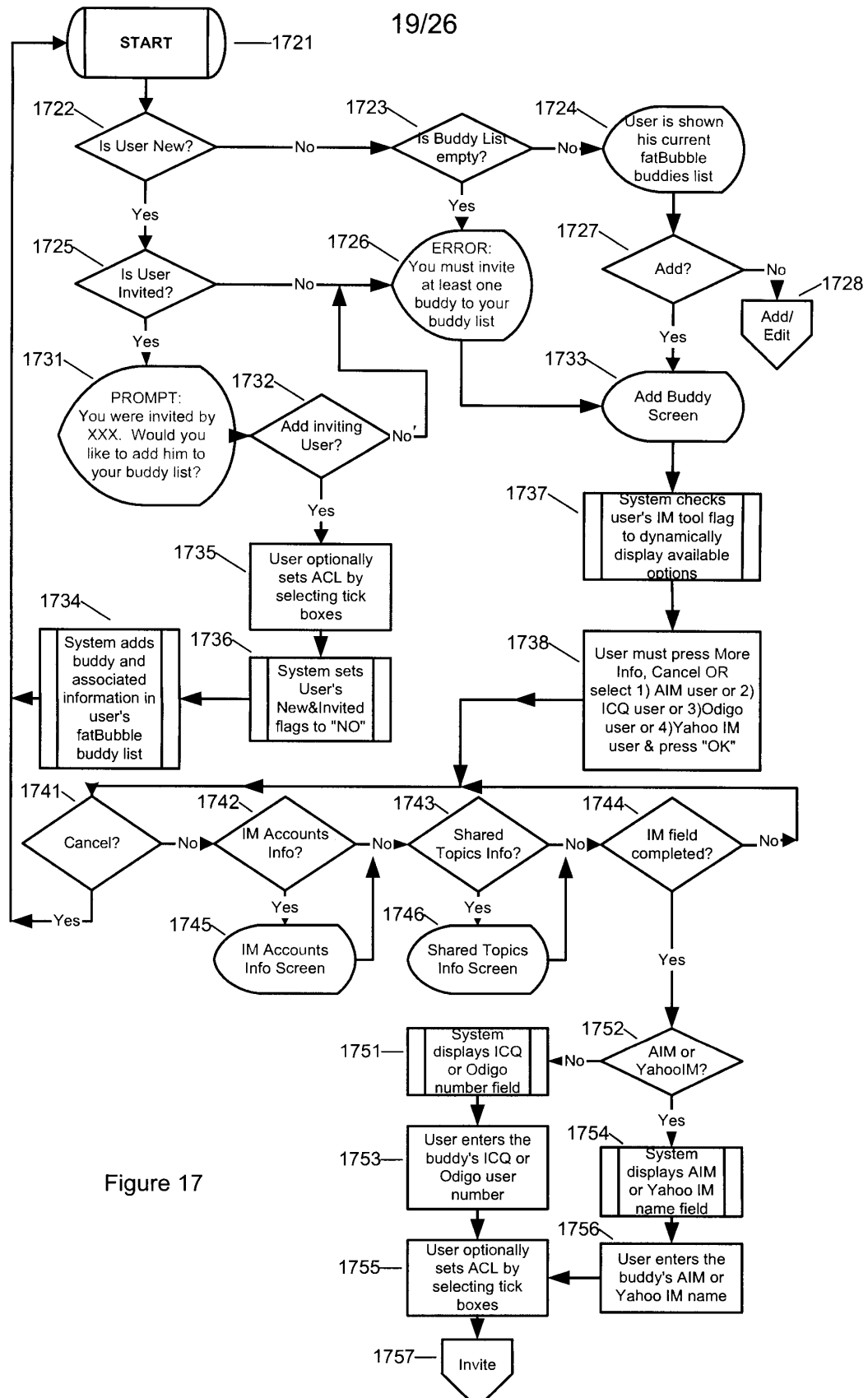


Figure 17

REPLACEMENT SHEET

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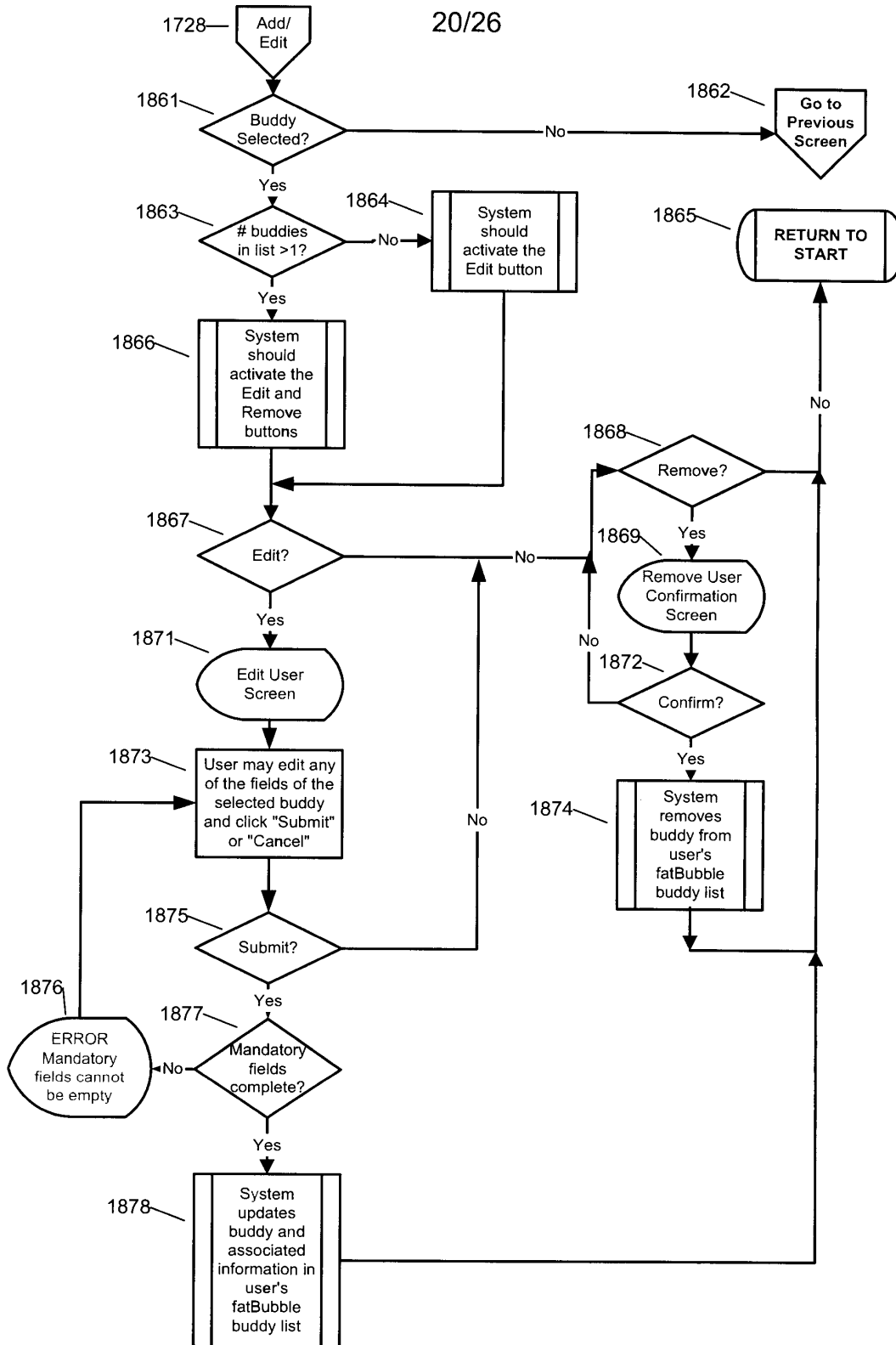


Figure 18

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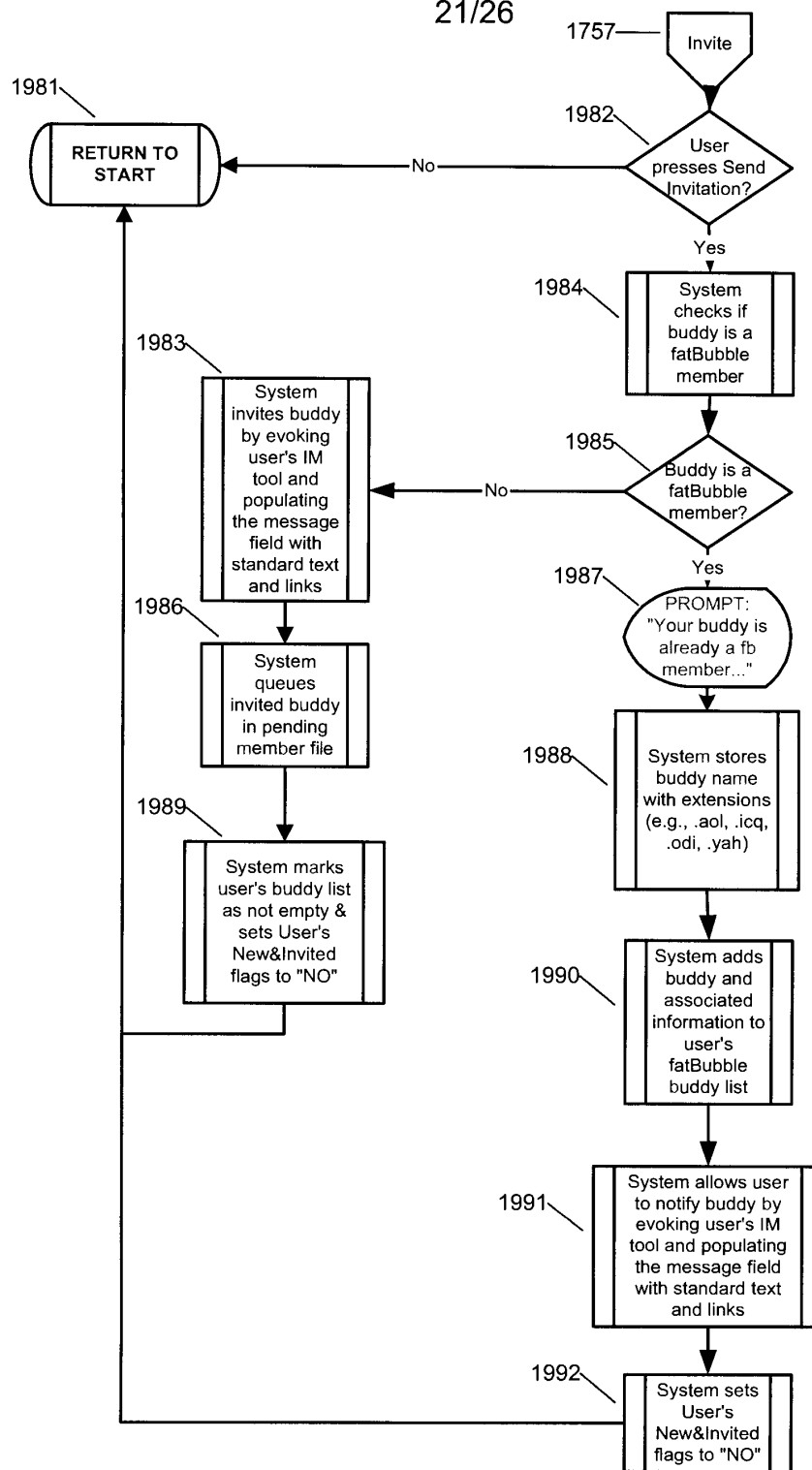


Figure 19

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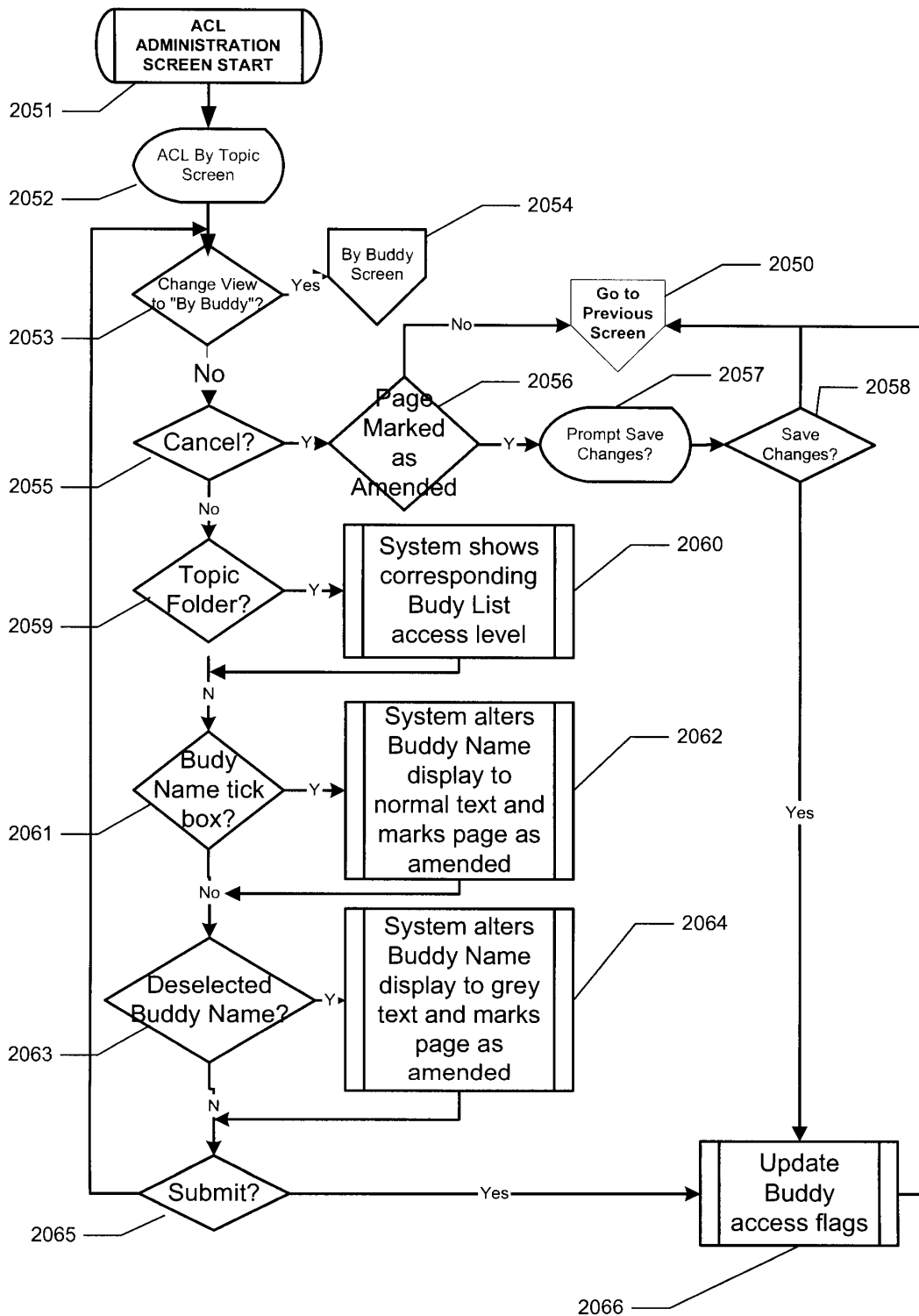


Figure 20

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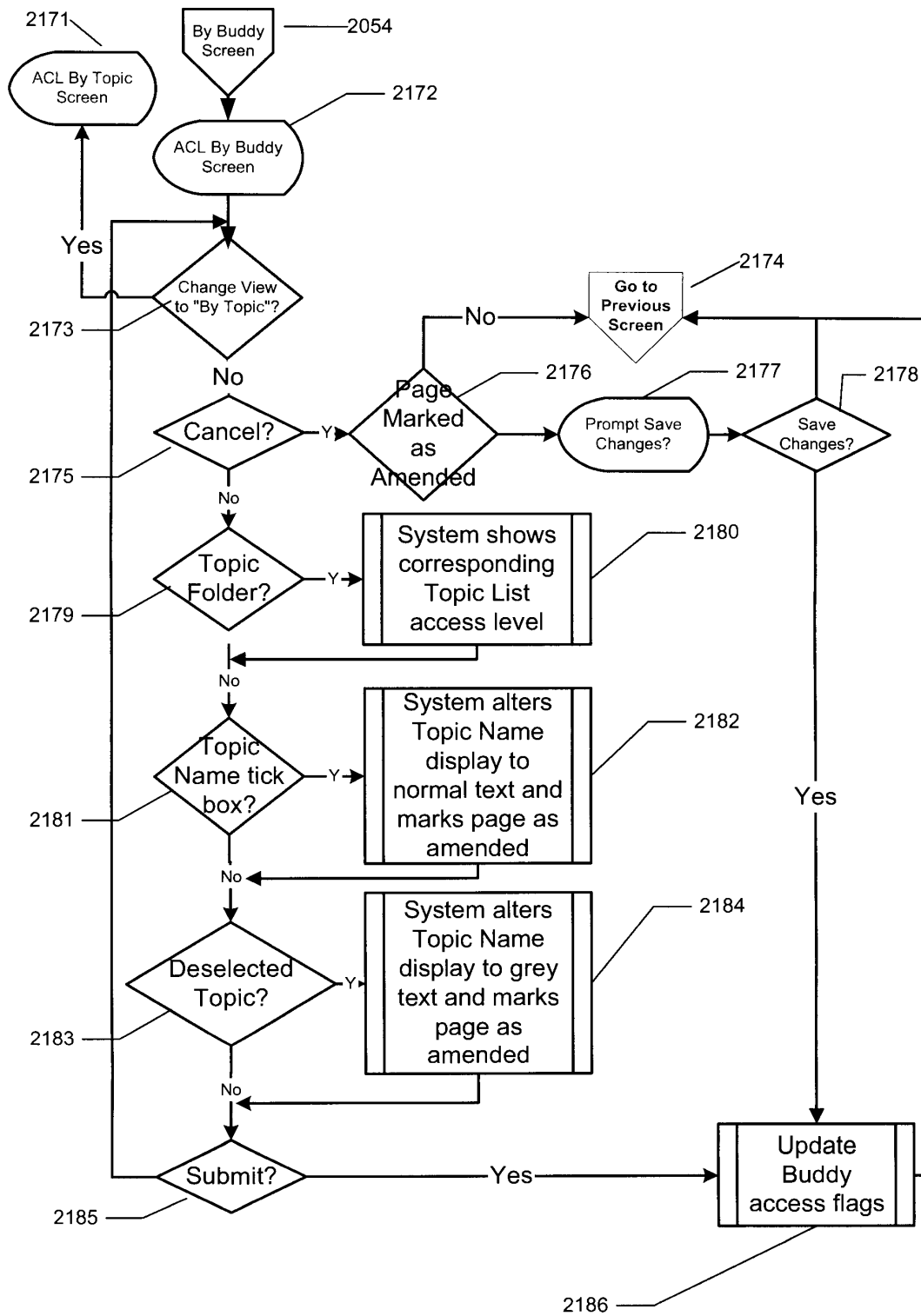


Figure 21

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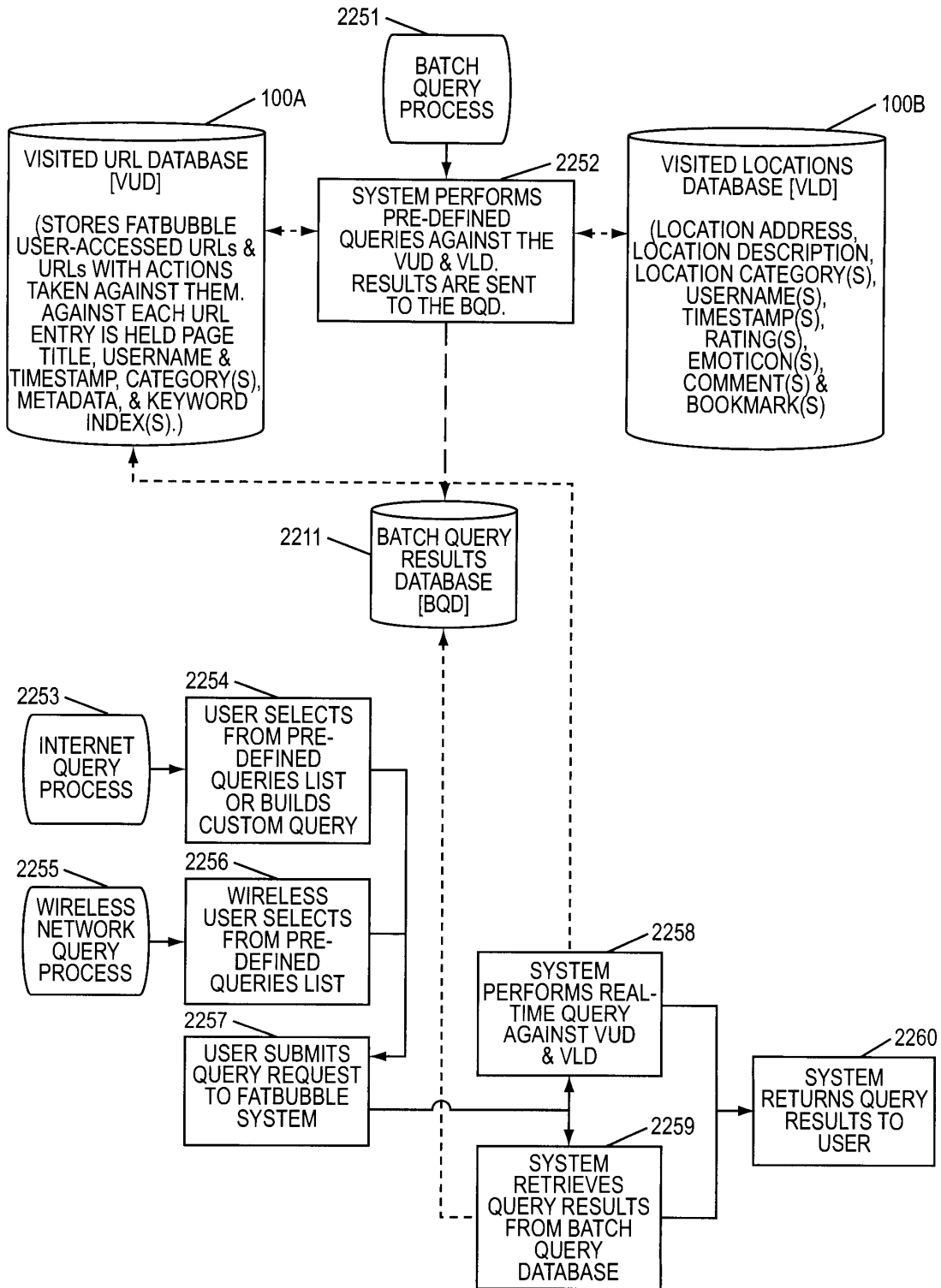
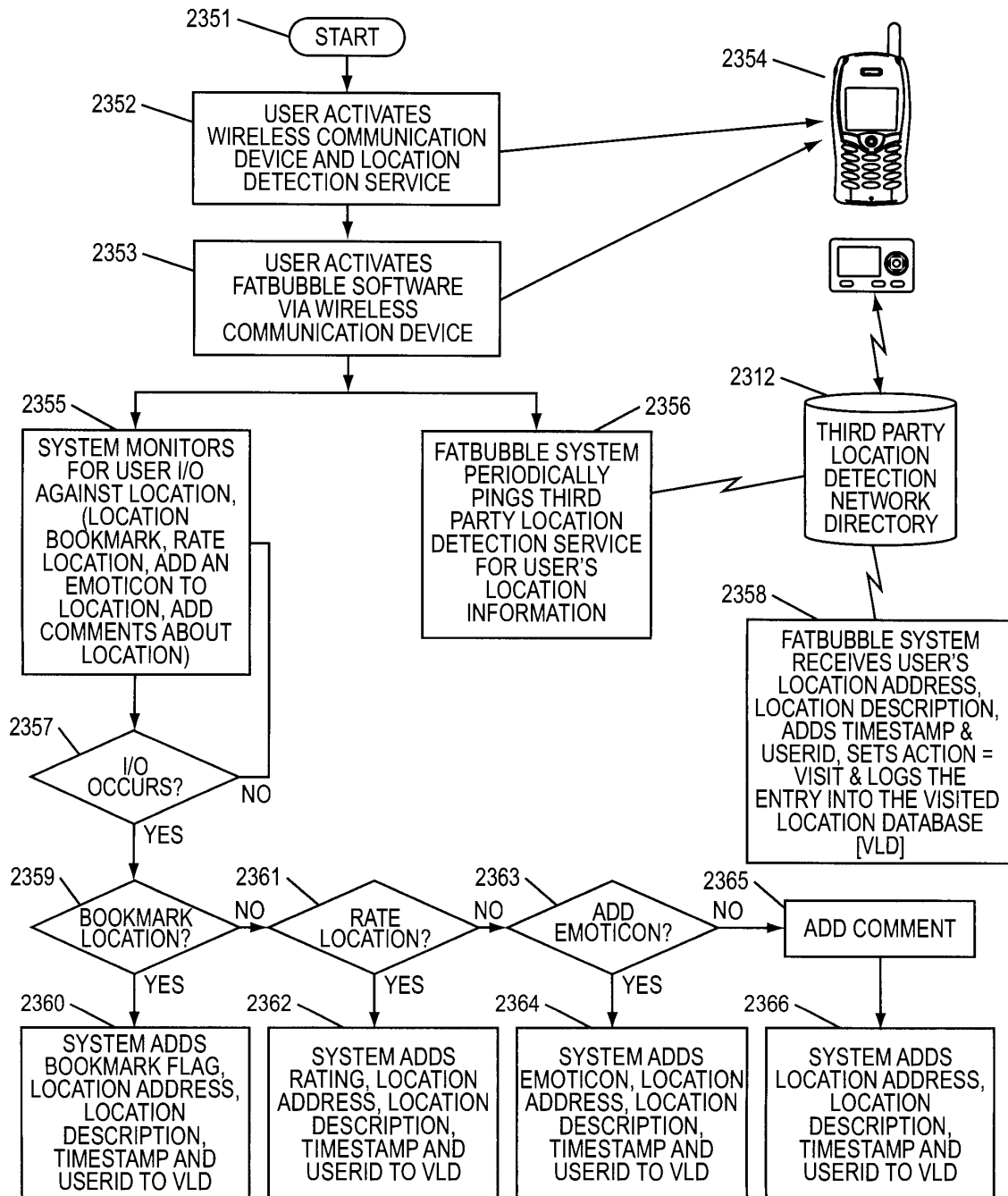
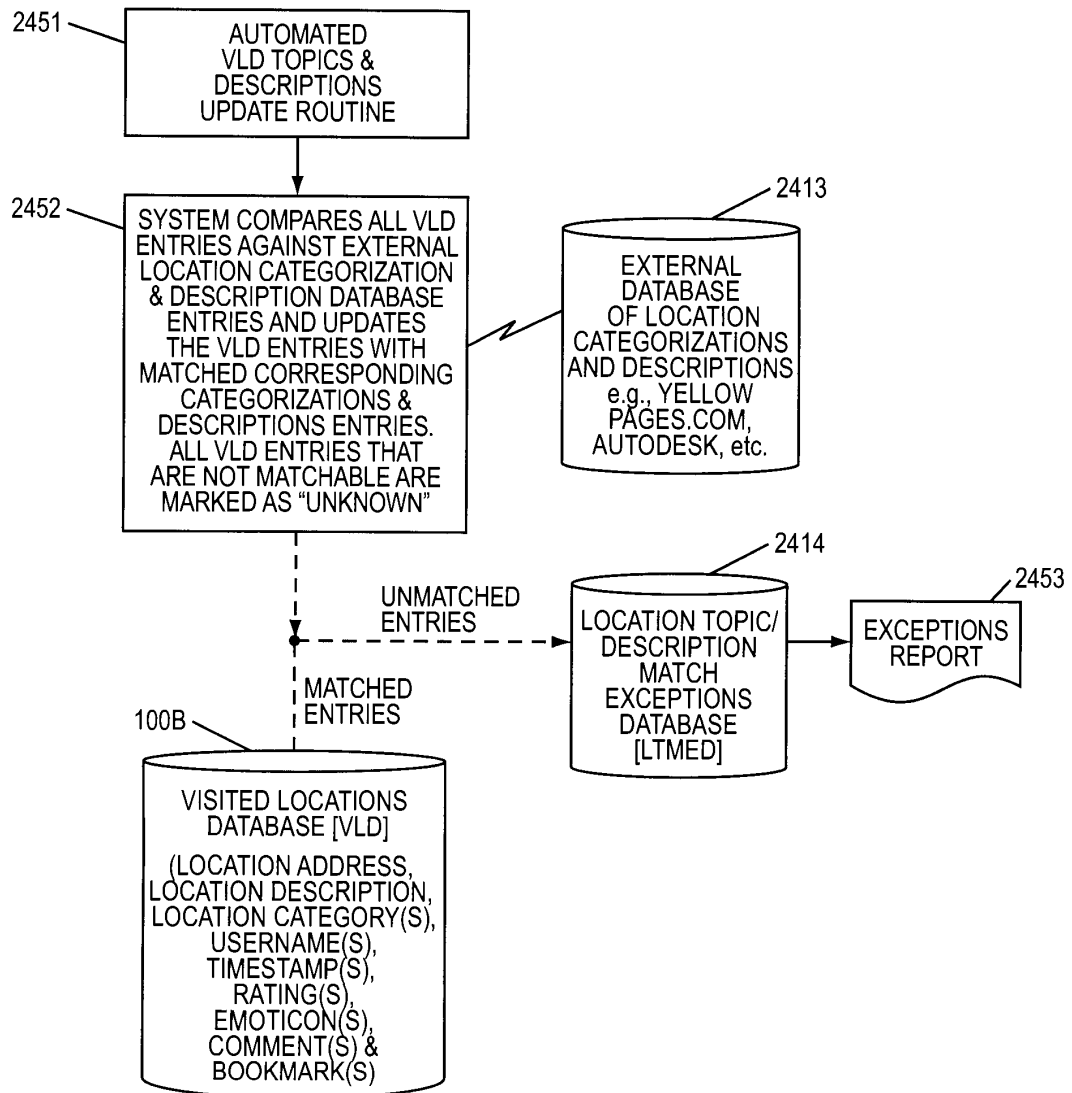


FIG. 22

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**FIG. 23**

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**FIG. 24**



US007080139B1

(12) **United States Patent**
Briggs et al.

(10) **Patent No.:** **US 7,080,139 B1**
(45) **Date of Patent:** **Jul. 18, 2006**

(54) **METHOD AND APPARATUS FOR
SELECTIVELY SHARING AND PASSIVELY
TRACKING COMMUNICATION DEVICE
EXPERIENCES**

(75) Inventors: **Darren P. Briggs**, Nashville, TN (US);
Brady O. Bruce, San Francisco, CA
(US); **Michael W. Mitchell**, San
Francisco, CA (US); **Emile L. Reed,**
IV, San Francisco, CA (US)

(73) Assignee: **Fatbubble, Inc**, San Francisco, CA
(US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 597 days.

(21) Appl. No.: **09/841,475**

(22) Filed: **Apr. 24, 2001**

(51) **Int. Cl.**
G06F 15/173 (2006.01)

(52) **U.S. Cl.** **709/224; 709/203; 709/205;**
709/207; 707/3

(58) **Field of Classification Search** **709/203–207,**
709/217–219, 224; 707/1, 3, 10; 706/45
See application file for complete search history.

(56) **References Cited**

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2002/0087496	A1 *	7/2002	Stirpe et al.	706/45
2003/0054810	A1 *	3/2003	Chen et al.	455/422
2003/0225836	A1 *	12/2003	Lee et al.	709/205
2004/0088355	A1 *	5/2004	Hagan et al.	709/203

* cited by examiner

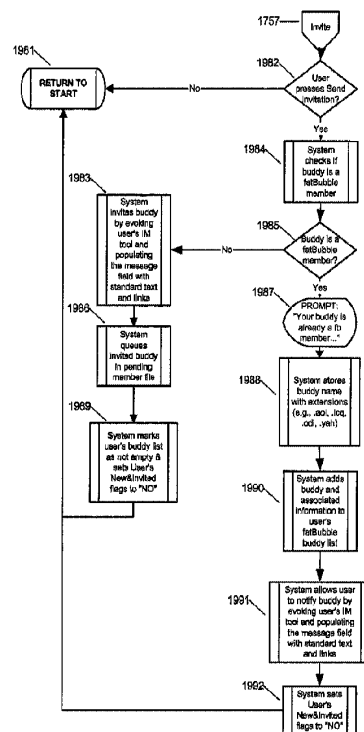
Primary Examiner—Wen-Tai Lin

(74) *Attorney, Agent, or Firm*—Ernest J. Belfel, Jr.; Haynes
Belfel & Wolfeld LLP

(57) **ABSTRACT**

The present invention includes methods and devices for passively tracking and selectively sharing user experiences with communication devices, including computers, web-enabled telephones, and PDAs. User rating or comments on their experiences can be captured. Particular aspects of the present invention are described in the claims, specification and drawings.

32 Claims, 19 Drawing Sheets



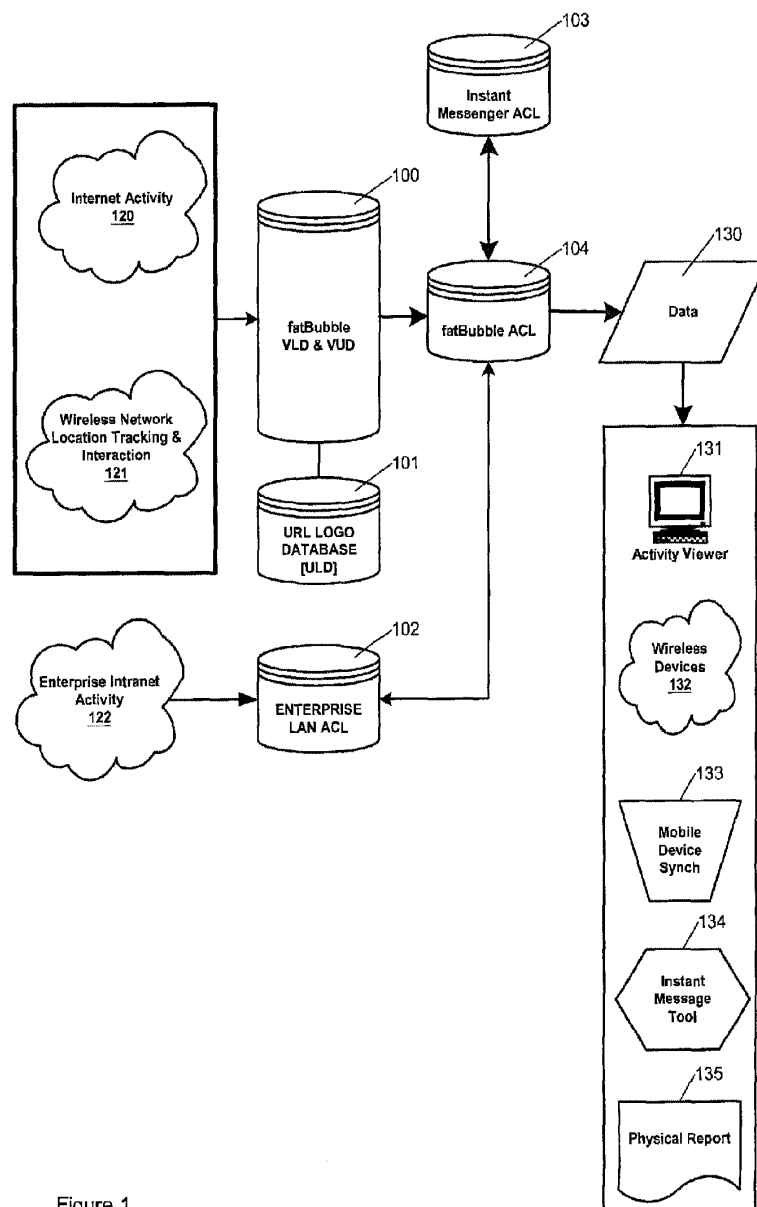


Figure 1

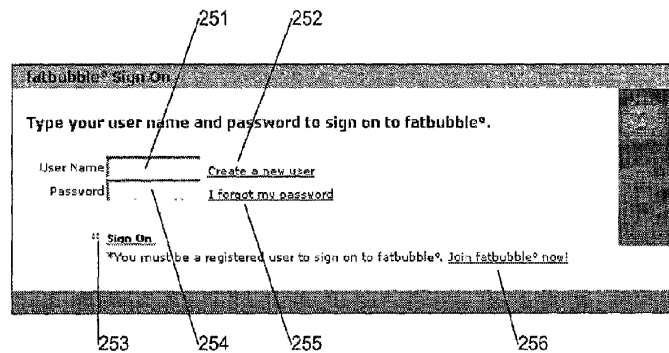


Figure 2

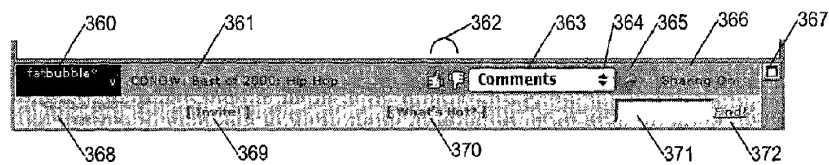


Figure 3

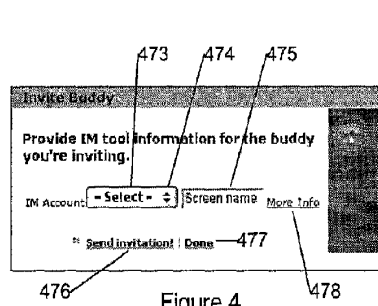


Figure 4

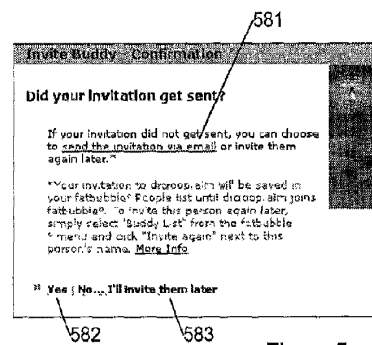


Figure 5

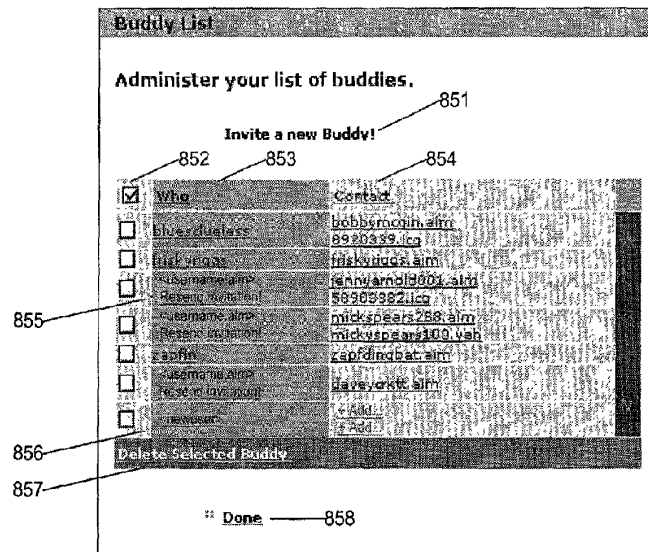
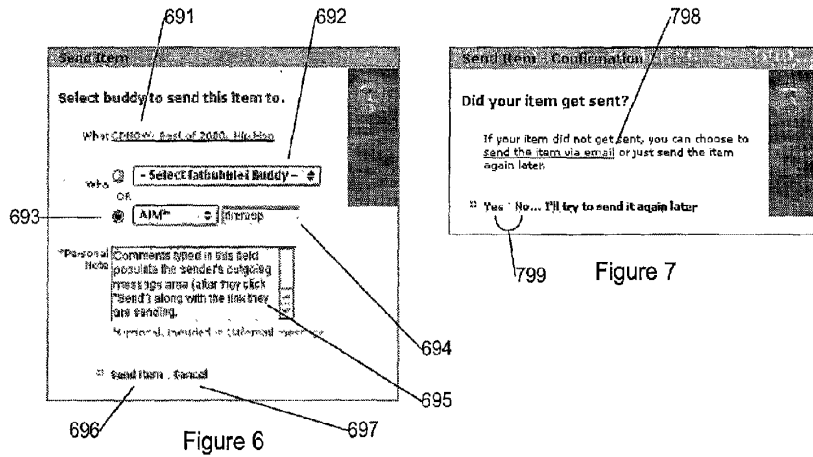


Figure 8B

Figure 8C

Edit fatbubble® Profile - friskyriggs

[View](#) [Edit](#)

[Buddy Overview](#) [Contact Information](#) [Topic Sharing](#) [File Sharing](#)

Use the checkboxes below to select which topic areas you want to share **by default**. You'll be able to turn these topic areas on or off for each user. [More Info](#)

Topics

☒ [Select/Deselect All](#)

☒ [Arts & Entertainment](#) ☒ [News](#)

☒ [Computers & Internet](#) ☒ [People](#)

☒ [Food](#) ☒ [Reference](#)

☒ [Games](#) ☒ [Science & Technology](#)

☒ [Health & Fitness](#) ☒ [Shopping](#)

☒ [Home](#) ☒ [Sports](#)

☒ [Money](#) ☒ [Travel](#)

☒ [Music](#)

[+ Add Topic Area](#)

[Save Changes](#)

Figure 8D

fatBubble - know what your friends know...

[Buddy](#) [People](#) [Activity](#) [Files](#) [Messages](#) [Summary](#) [Sharing](#)

who: All Buddies | topic: All Topics | view: All Activity | find: [Advanced](#)

who	did	topic	what	where	thoughts	when
michael		Barnes & Noble.com	Dreamweaver 3 Hands-On...			2.18.01, 9:17 P
daren		SF: CA: Italian: Sooma's			great but...	2.18.01, 9:16 P
michael		Barnes & Noble.com	Computers...			2.18.01, 9:16 P
michael		Amazon.com	buying info: Dreamweaver 3 Han...			2.18.01, 9:14 P
brady		Maps.com	Plan a Trip			2.18.01, 9:14 P
emilia		FRONTIER	Why the We...			2.18.01, 9:13 P
michael		E*TRADE				2.18.01, 9:12 P

[send selected items](#)

Figure 9

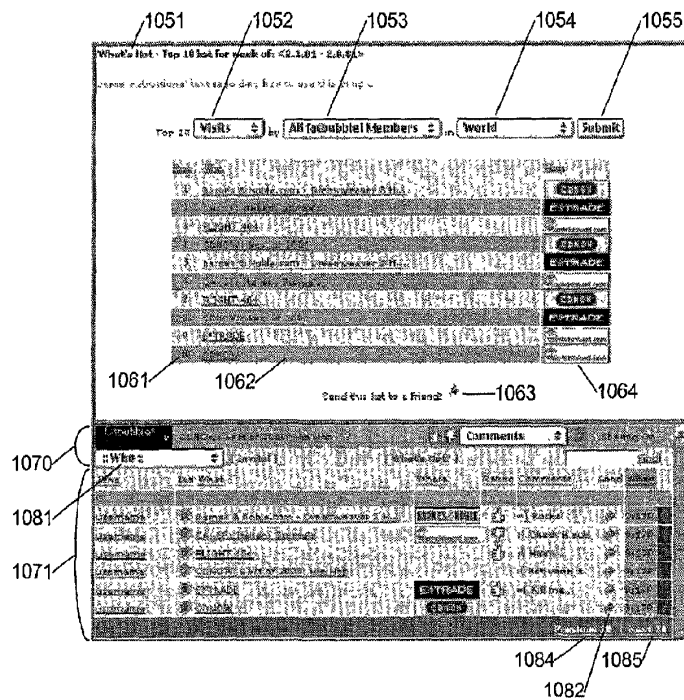


Figure 10

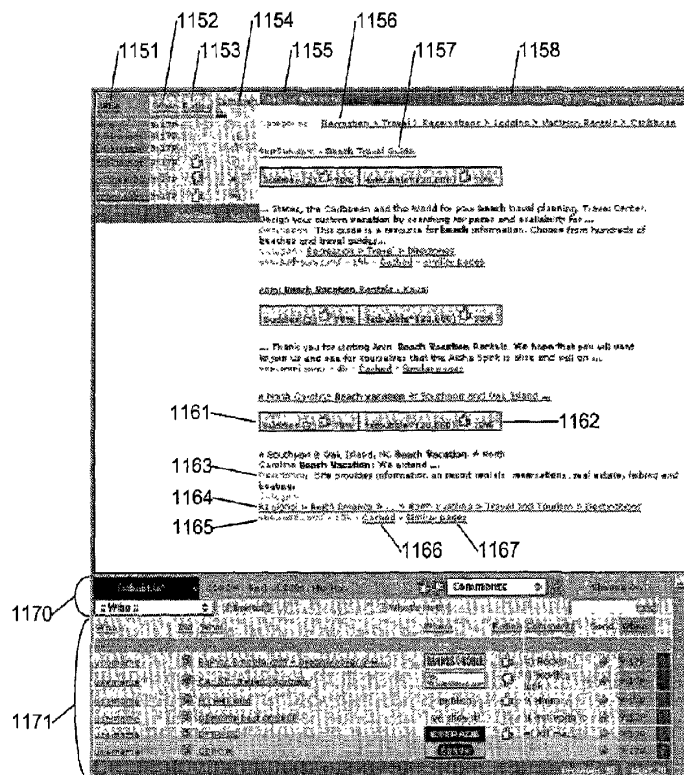


Figure 11

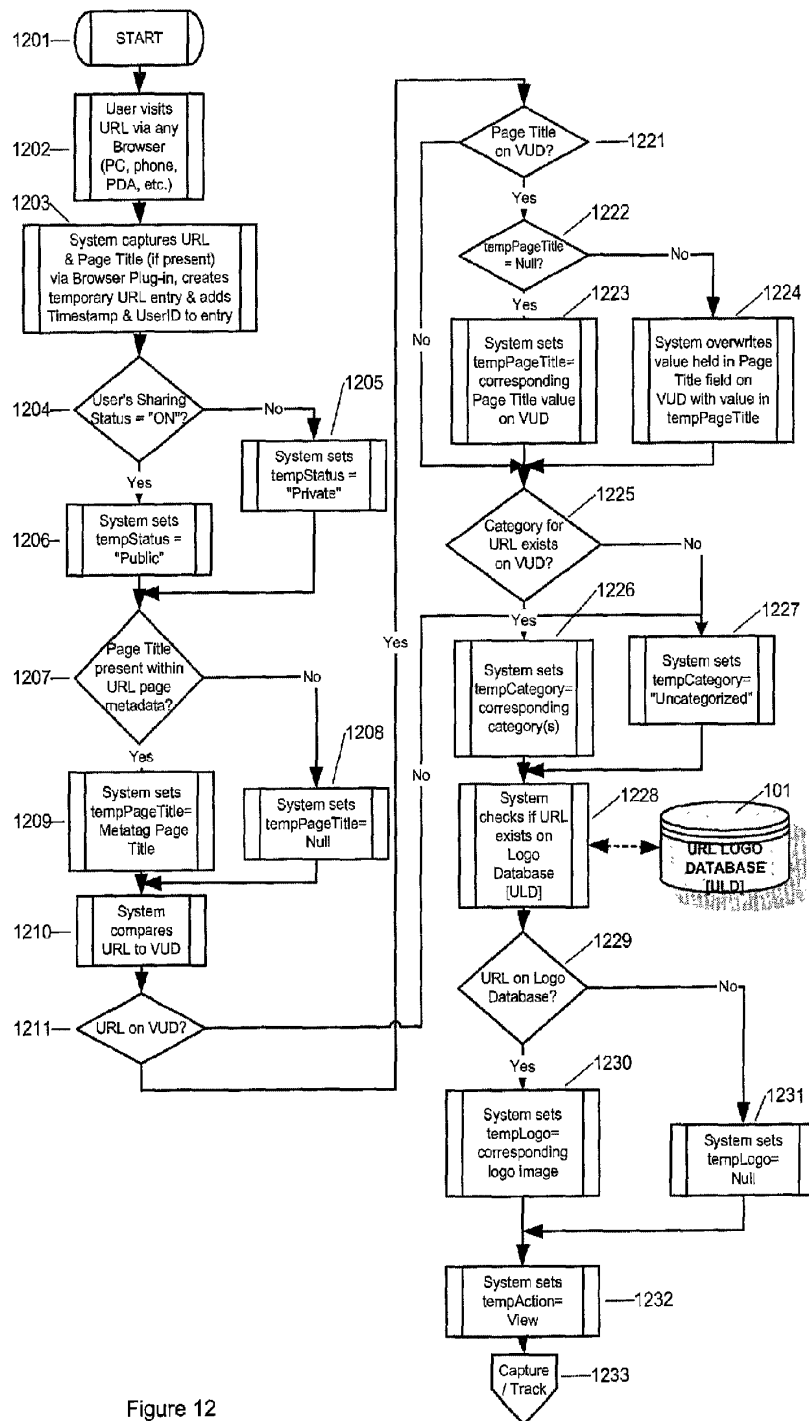


Figure 12

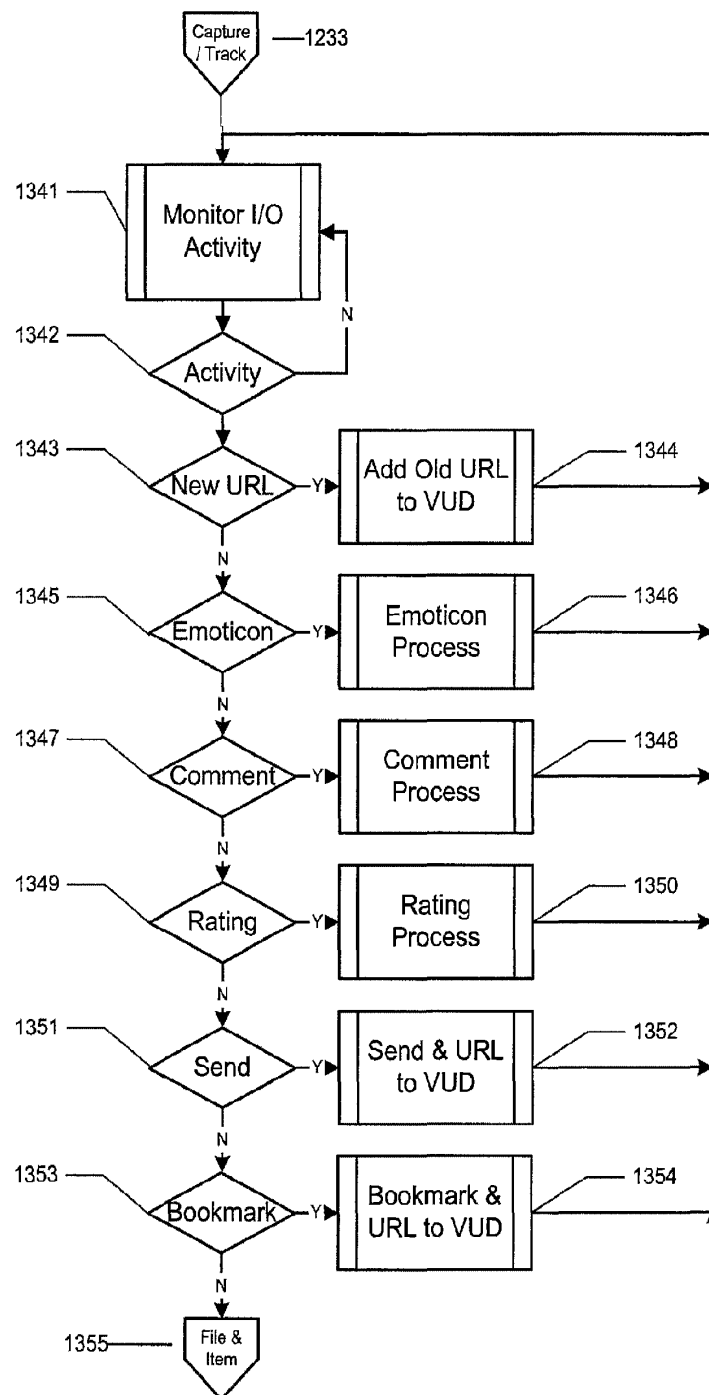


Figure 13

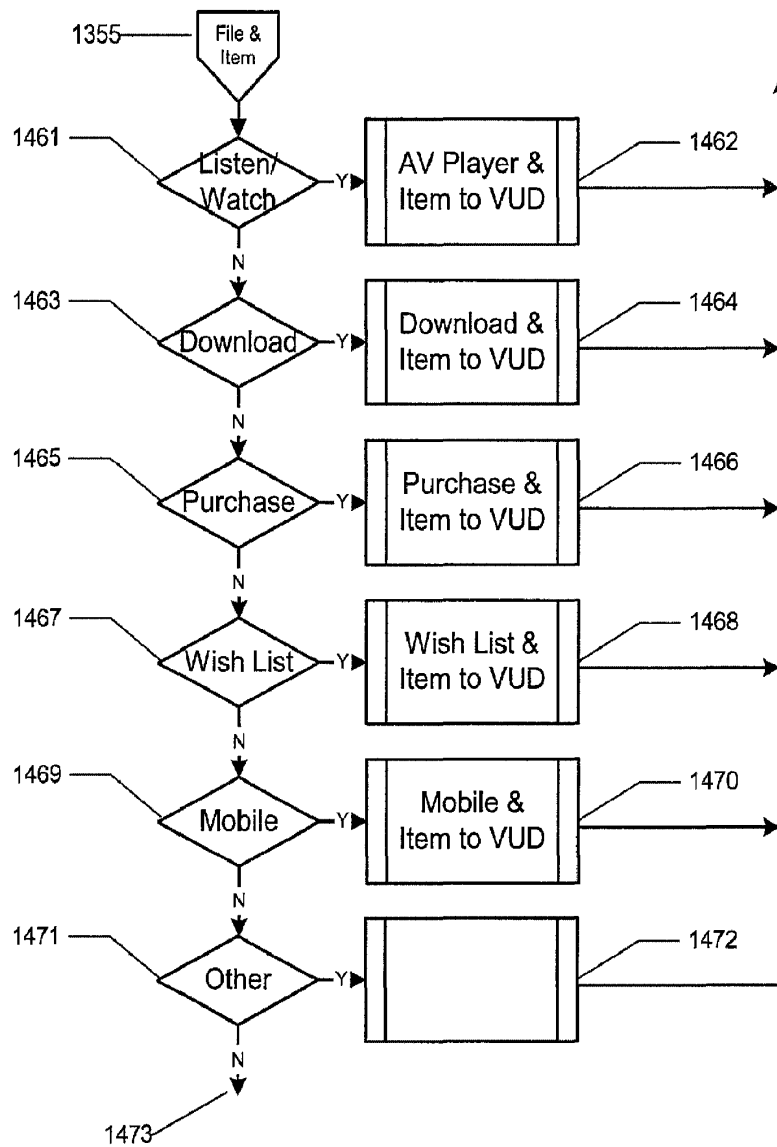


Figure 14

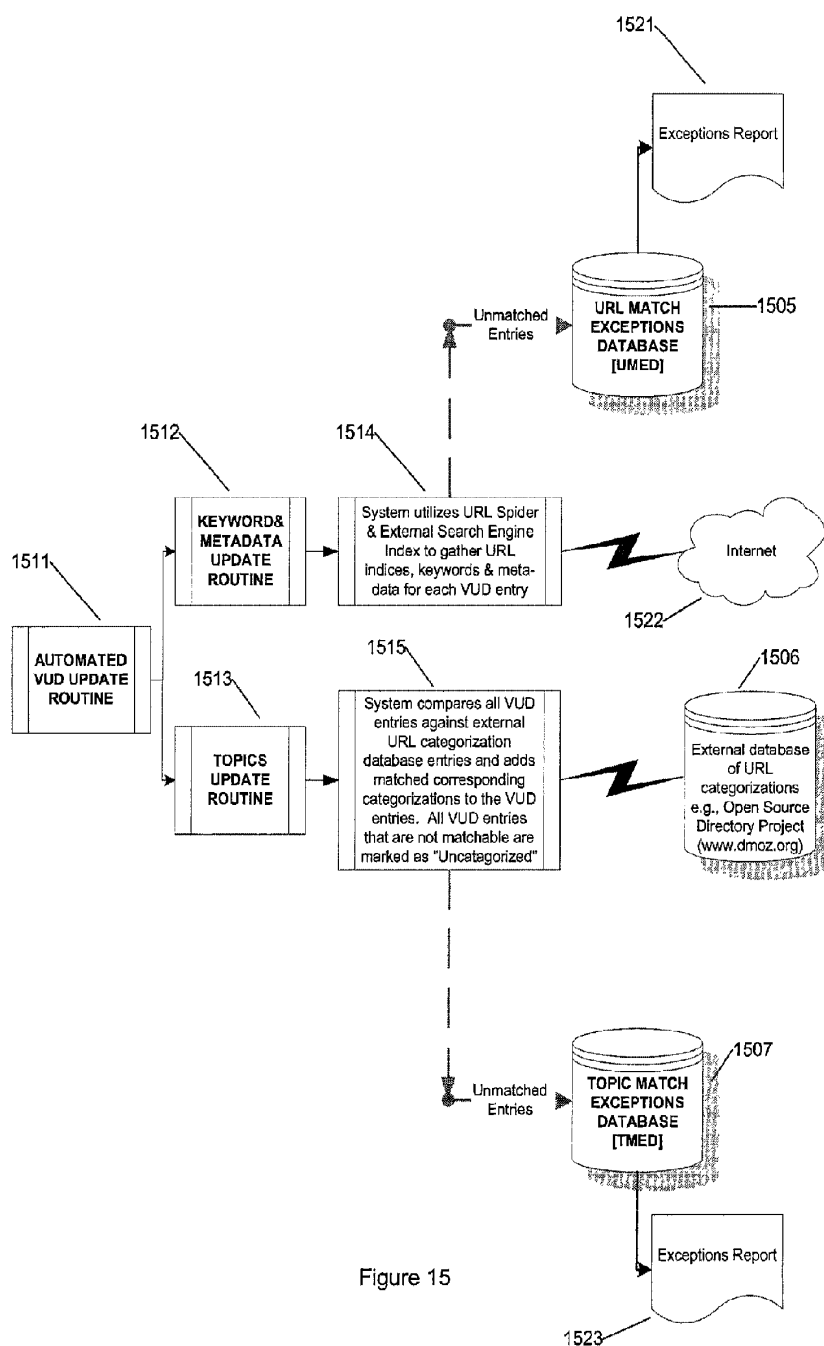
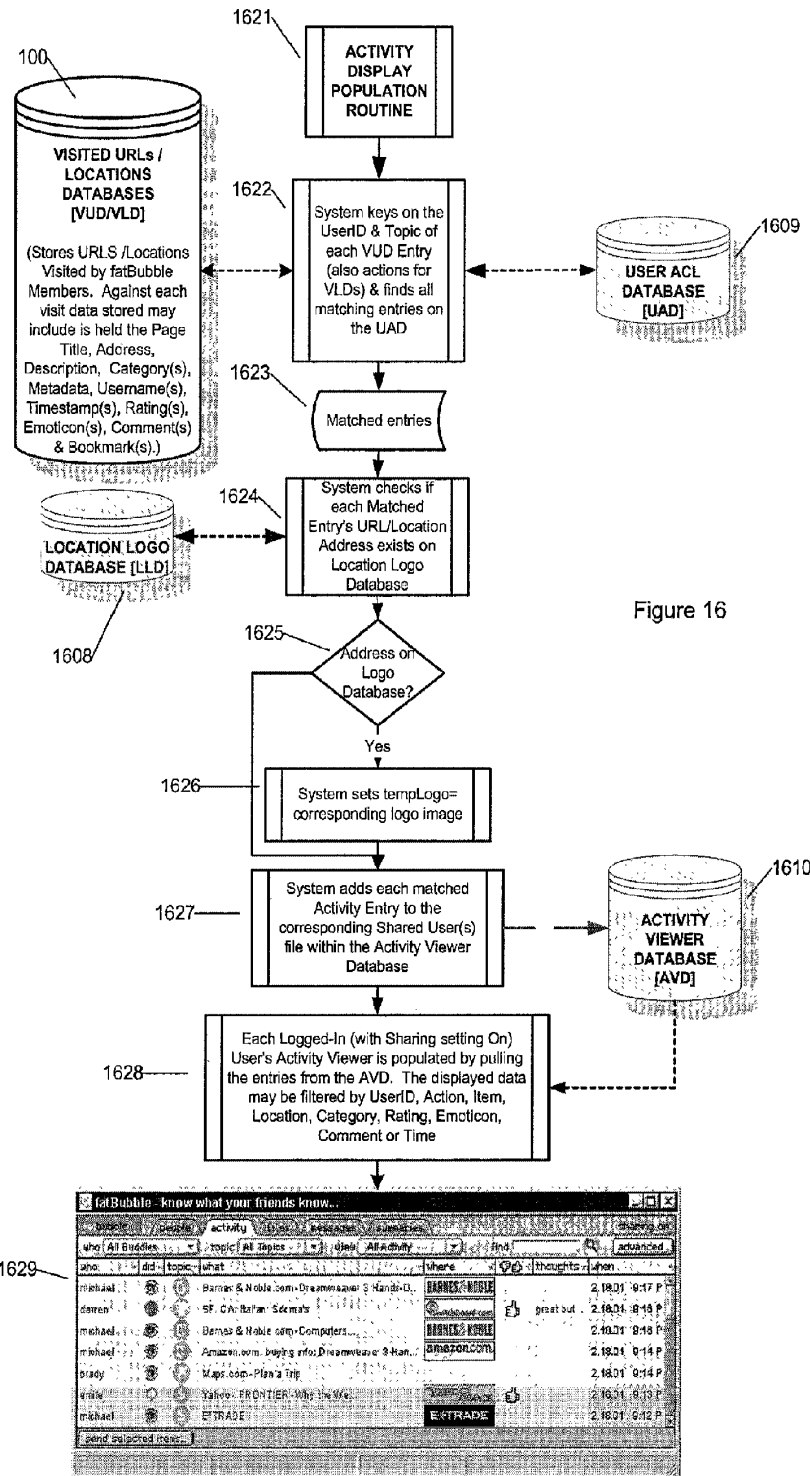


Figure 15



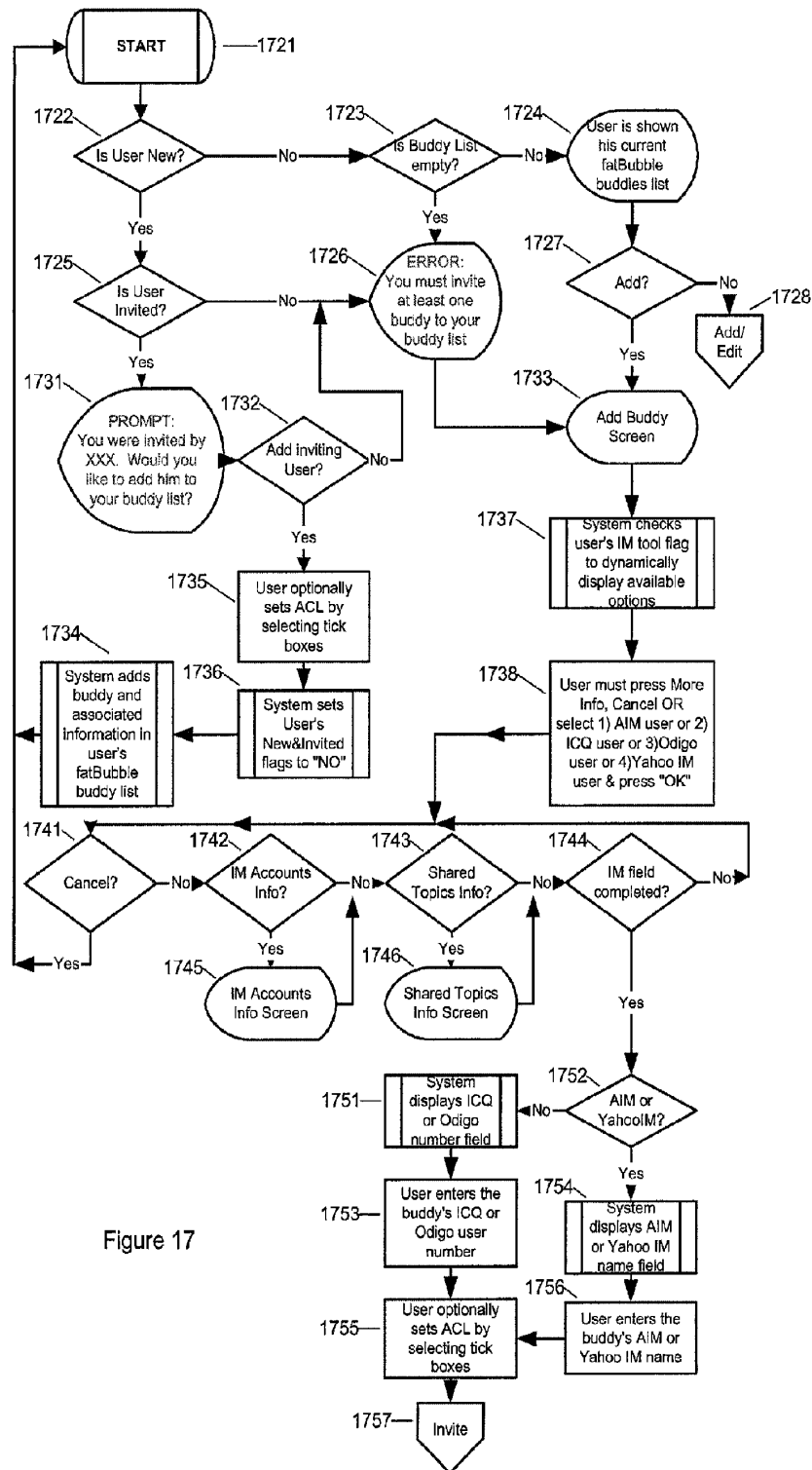


Figure 17

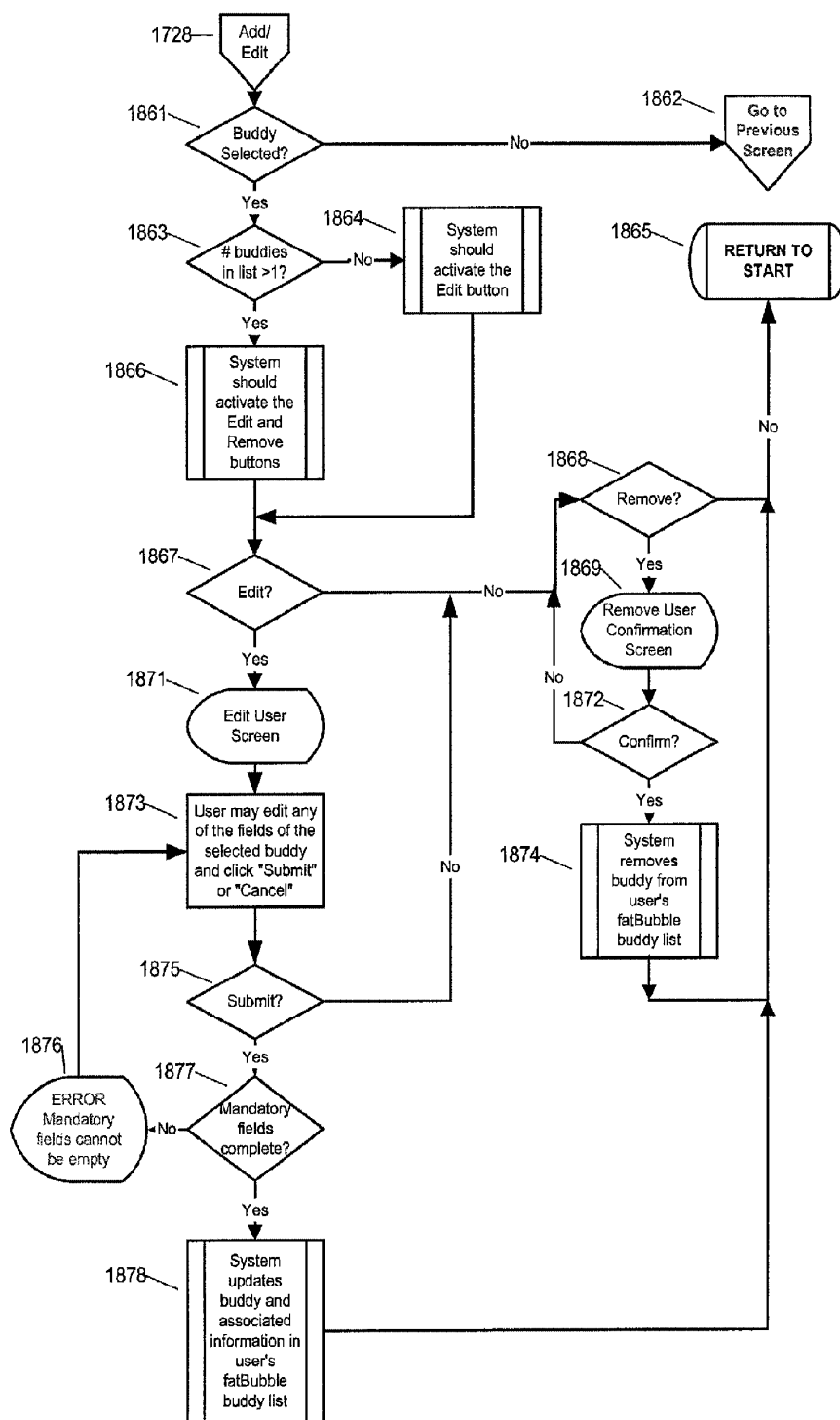


Figure 18

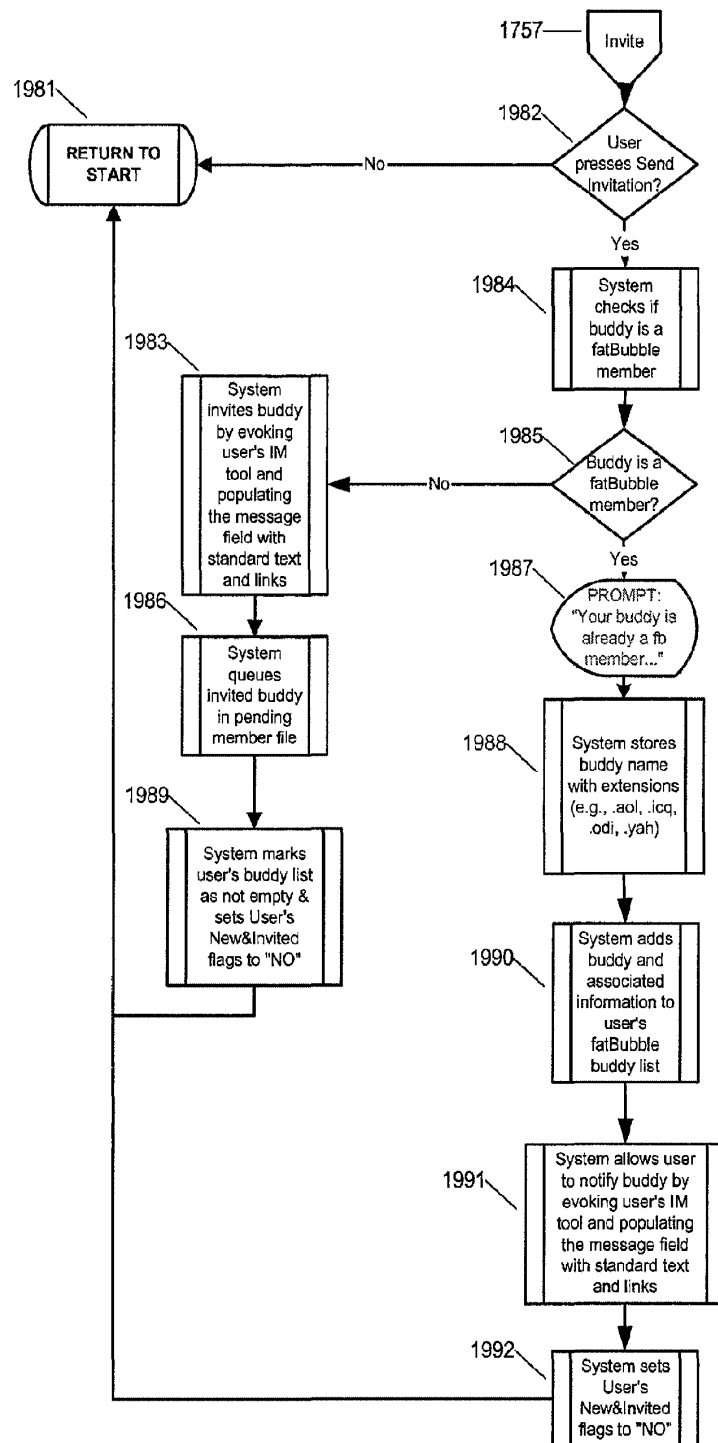


Figure 19

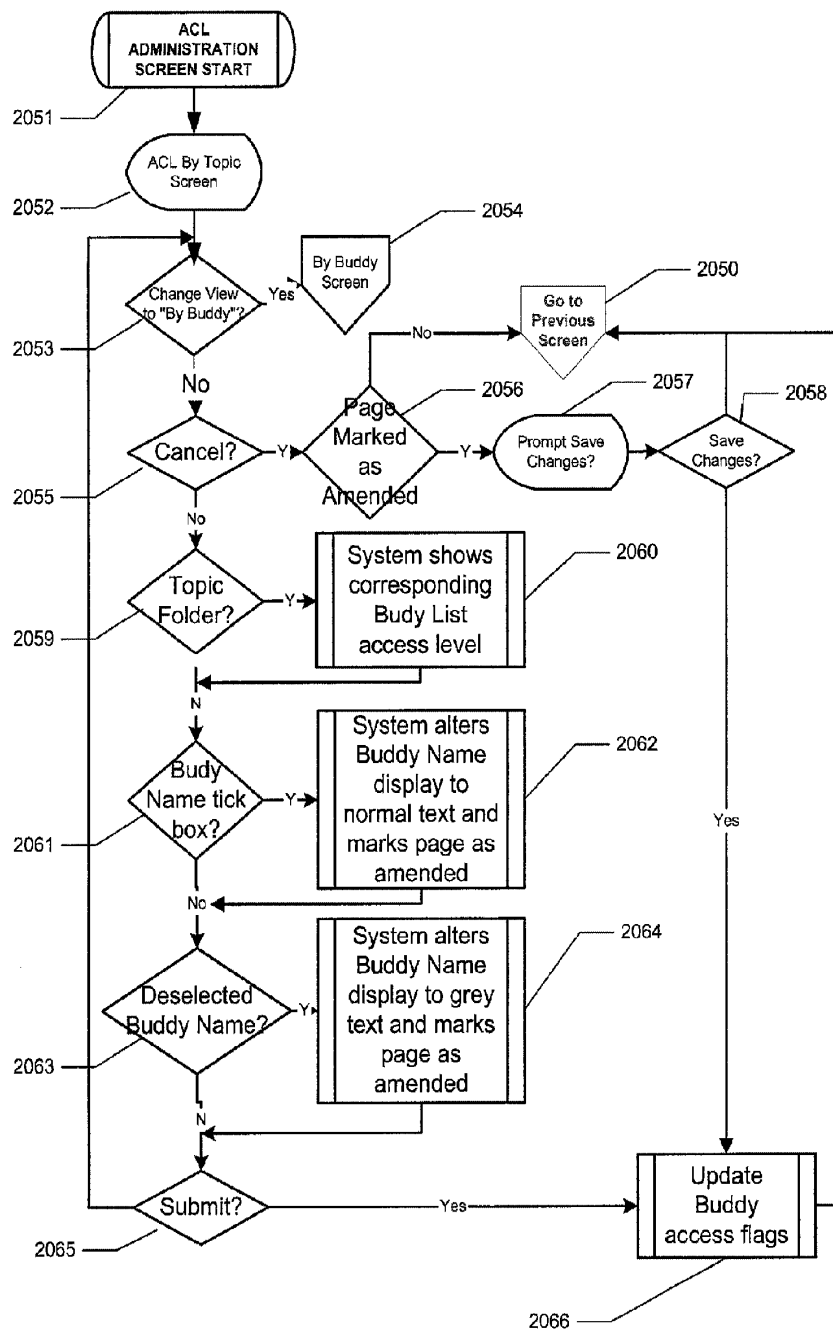


Figure 20

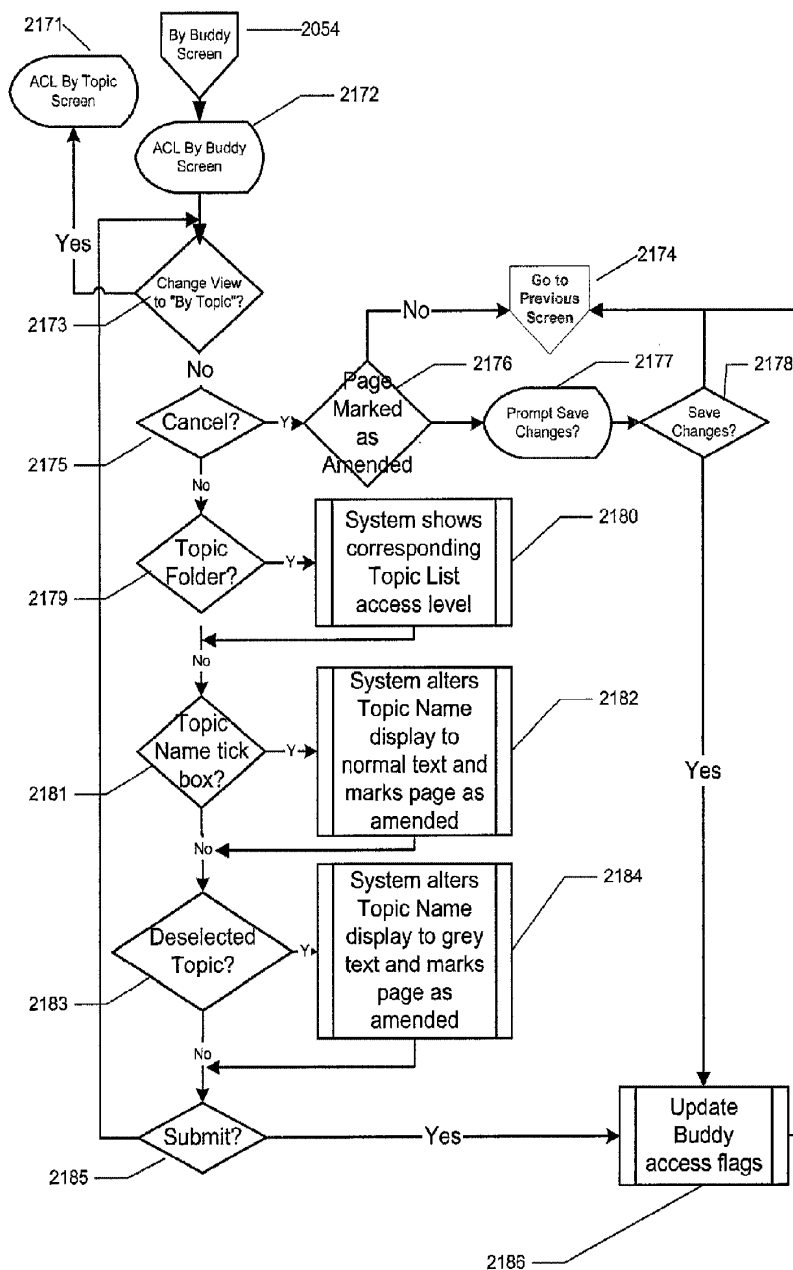


Figure 21

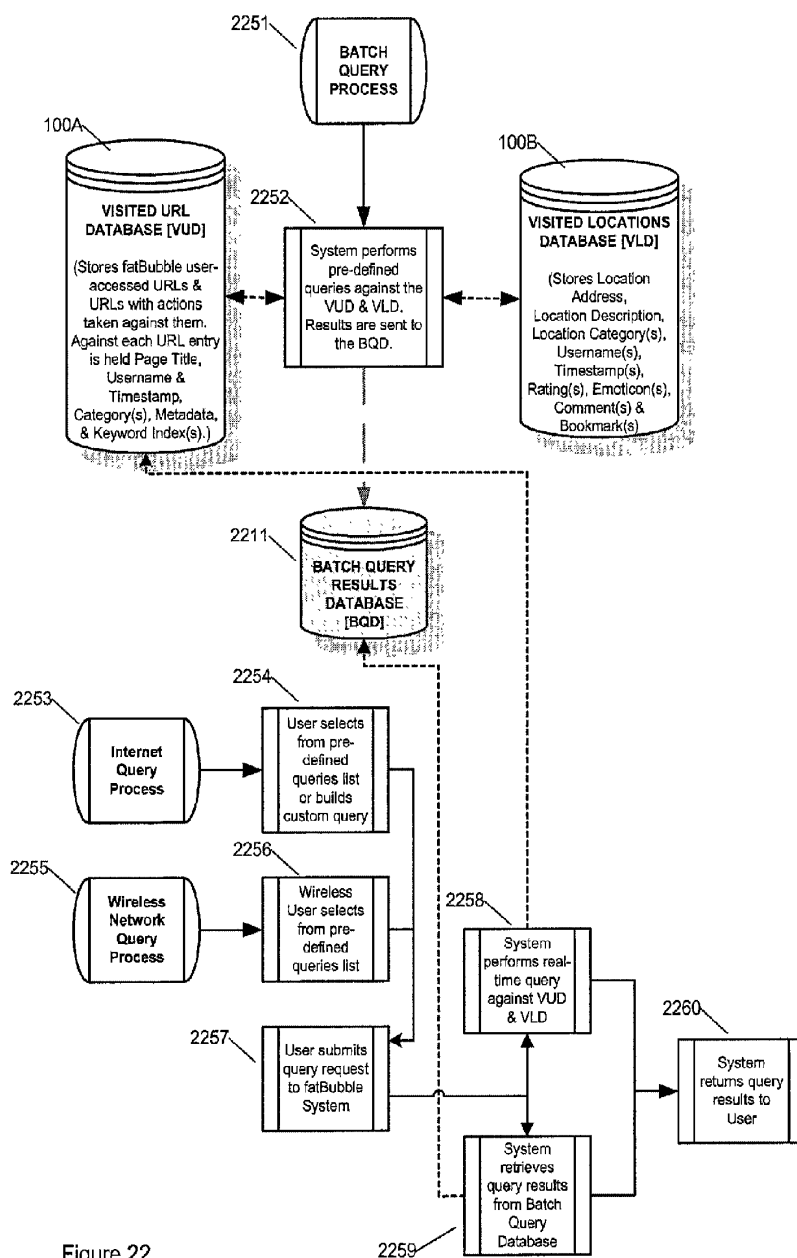


Figure 22

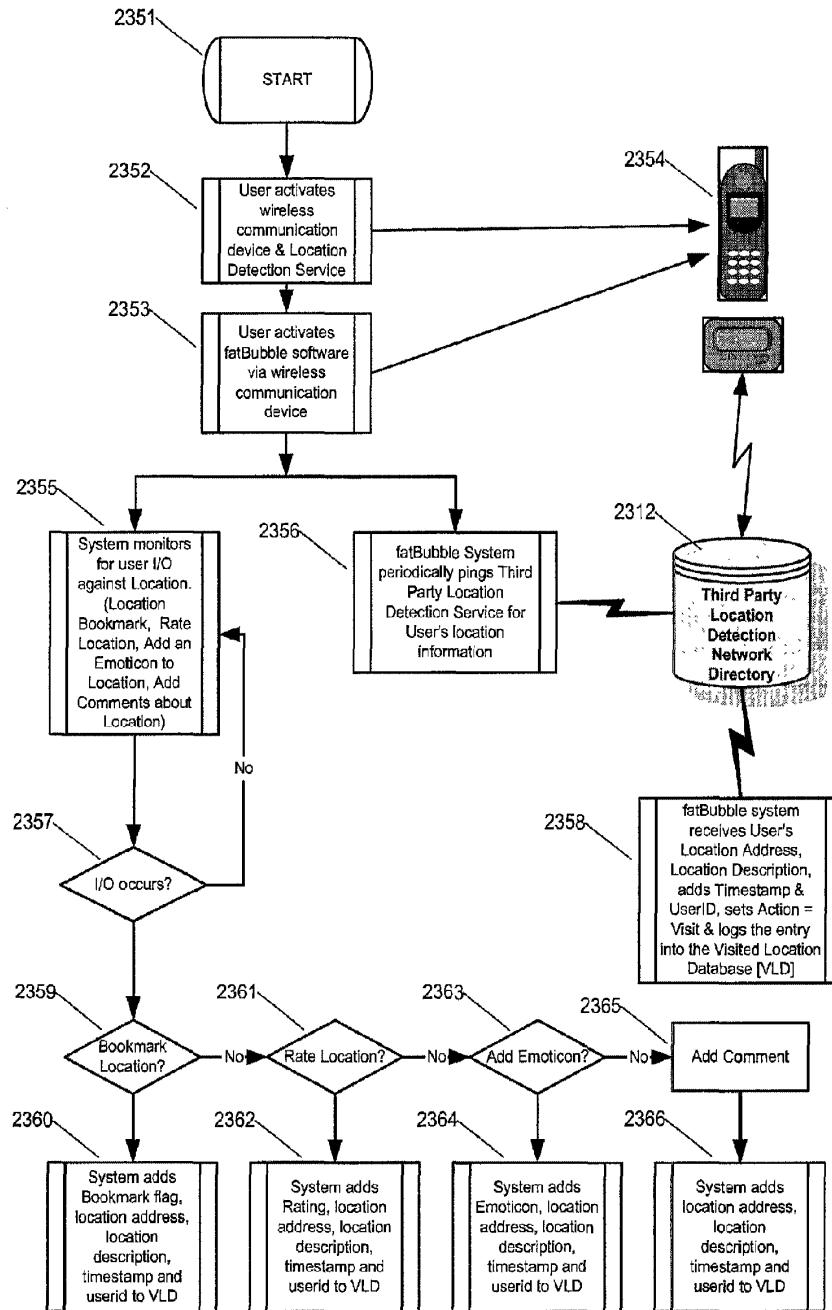


Figure 23

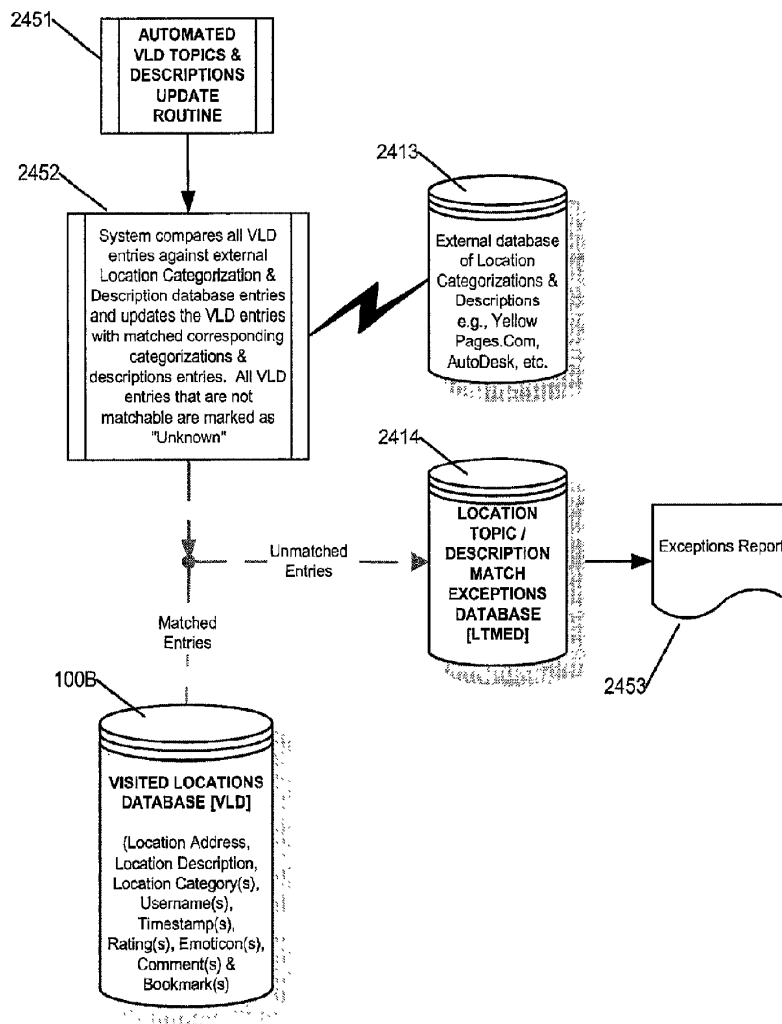


Figure 24

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METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES

BACKGROUND OF THE INVENTION

The Internet has opened up new channels of communication and vectors of influence over decision-making. Web sites, peer-to-peer technologies, e-mail and instant messengers are new communication technologies, which have major impacts.

Advertisers and marketers have shown great interest in the influence of these new technologies. However, it is difficult to observe the channels of communication or vectors of influence using traditional market research methods.

Users of the new communication technologies have been particularly quick to embrace instant messengers. Users desire new ways of sharing with friends the experiences they have and discoveries they make using the new communication technologies.

Therefore, there is an opportunity to introduce a new technology, a method and device which provide a new way of sharing experiences, potentially allowing advertisers and marketers to study channels of communication and vectors of influence at the same time.

SUMMARY OF THE INVENTION

The present invention includes methods and devices for sharing communication device usage experiences, including computer usage experiences. Particular aspects of the present invention are described in the claims, specification and drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a block diagram of interrelated components of systems practicing aspects of the present invention.

FIG. 2 is a user interface for logging in or creating a new account.

FIG. 3 is a user interface for providing access to system features.

FIGS. 4 and 5 are user interfaces for inviting a "buddy" to join in practicing aspects of the present invention.

FIGS. 6 and 7 are user interfaces for sending a buddy an item.

FIGS. 8A-8D are aspects of a user interface for administration of a buddy list.

FIG. 9 is a user interface for viewing activity of buddies. The interface illustrated applies as well to viewing of other item or location related data.

FIG. 10 is a user interface for viewing a so-called hits list, combined with a user interface for viewing activity. The interface illustrated applies as well to viewing of other item or location related data.

FIG. 11 is a user interface for viewing details regarding particular items. This user interface is combined, like FIG. 10, with a user interface for viewing activity.

FIGS. 12-14 is flowcharts illustrating the capture of URL related data from a user. The actions illustrated by these flowcharts apply as well to capture of other item or location related data.

FIG. 15 is a flowchart of automated updating of a visited URL database ("VUD"), with exception processing. The

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actions illustrated by these flowcharts apply as well to updating of databases reflecting captures of other item or location related data.

FIG. 16 is a flow chart of an activity viewer. The actions illustrated by these flowcharts apply as well to viewing of other item or location related data.

FIGS. 17-19 are flow charts of buddy list and access control list ("ACL") administration.

FIGS. 20-21 is flow charts of access control list interface actions.

FIG. 22 is a flow chart of the batch and custom query processes.

FIG. 23 extends aspects of the present invention to wireless devices, such as cellular telephones and pagers.

FIG. 24 is a flow chart of populating the visited location database ("VLD").

DETAILED DESCRIPTION

The following detailed description is made with reference to the figures. Preferred embodiments are described to illustrate the present invention, not to limit its scope, which is defined by the claims. Those of ordinary skill in the art will recognize a variety of equivalent variations on the description that follows.

A common theme among aspects of the present invention is collecting data regarding a user's computer usage experience and sharing that data. So-called "buddies" identified on buddy lists of instant messaging products can share selected aspects of their computer usage experiences. Administrative tools and processes can be provided to set up selective collection and sharing of data. Collection tools and processes operate on a variety of computer usage activities and user responses to their computer usage experiences. Processing tools and methods filter, integrate and correlate the collected data. Display tools and processes make portions of the data accessible on a pre-defined basis, such as according to defined rights of buddies. Aggregation tools and processes assemble statistics about user experiences across different bases, such as buddy lists, categories of users, and all service participants.

DATA COMPILED

Aspects of the present invention include building and making accessible various databases and combinations of databases. The databases specifically described below are illustrated in one or another of the figures; reference numbers are provided for ease of reference. One database is a visited URL database ("VUD") 100A. A VUD stores URLs visited by users, or by participants. More generally, a user could visit a web site, listen to or watch content, rate a site or content, assign an emoticon or quick comment to a site or content, send or bookmark a site or content or download data; a VUD entry could result. A rating may be thumbs up or thumbs down or its equivalent, a scaled alpha or numeric rating or its equivalent. An emoticon is an icon conveying a reaction, such as: ":", ":(", ":\)", ":-)", ":-(", etc. Quick comments may be user defined and later accessible through a menu, such as a pull-down menu. In addition to URLs, the database stores additional information such as page title, address, description, categories applicable to the URL, metadata, names of users accessing the URL, timestamps of visits, ratings of the URL, emoticons evaluating the URL, comments on and bookmarks to the URL, or keywords for retrieval. The page title, address, description and metadata may be ascertained from visiting the URL itself. With

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assistance of the URL's author, metadata may include suggested categorization. Alternatively, categorization may be provided by an existing content analysis provider, such as Yahoo or the Open Source Directory Project at www.dmoz.org **1506**. A further alternative is that content could be categorized by a service provider or other sponsor, either for web content or for intranet, extranet or other network content.

Another database used to practice aspects of the present invention is the visited location database ("VLD") **100B**. A VLD stores similar information for locations visited by users or participants carrying portable devices. For instance, a Bluetooth equipped cell phone or pager could interact with a location that a user entered. Walking in the door of a popular restaurant, nightclub or other location could trigger an interaction between a Bluetooth device and a Bluetooth access point sponsored at the location. The Bluetooth device could learn the location visited and report that location immediately or later when the device returned to the proximity of a home access point or the device docked with a home access point. Alternatively, the Bluetooth device could disclose its identity to a Bluetooth access point at a particular location and the access point could report the visit. The user of the Bluetooth device could have the same options for providing additional information regarding the location, as for URLs. The VLD also could store geographic information regarding the location, such as geo-coded data. Several equivalent methods of associating a portable device with a location are available. Sophisticated networks may fingerprint, triangulate or otherwise locate a wireless device based on radio signal characteristics. Sophisticated devices may include circuits that determine the device's location; these circuits may utilize GPS, DGPS, Loran or any other location fixing protocol. The physics of how the device and the location are associated are relatively unimportant; an independent service may be used to track locations visited by a user based on any of the protocols identified above or any other protocol.

The VUD and VLD databases are readily extended to a visited item database **100**, which could include items on a computer, intranet, extranet or any network. These items may be data such as multimedia files, XML documents, database searches or virtually any other material. One distinction between practicing aspects of the present invention and general database processing is storing user-based information, such as the user's pattern of visiting and the user's rating, emoticon or comments regarding an item and making stored, user-based information available to buddies. Collectively, VUDs, VLDs and visited item databases can be referred to as VXD's. Reference to one of the three VXD's is intended to refer to all three, unless the context makes it clear that only one of the three applies.

Access control lists ("ACL's") **102, 103, 104, 1609** also can be maintained as databases. An ACL identifies buddies and controls their access to VUD, VLD, visited item and other activity-related data. A user could set up his or her own ACL via buddy list and access control list administration functions. An enterprise could set up ACLs for enterprise users. ACL-like data compiled for instant messaging products could be accessed and utilized to compile ACLs for users or enterprises.

A URL logo database ("ULD") **101** can be useful for associating logos with web sites. The logos may be sponsors, advertisers or others who provide support for operation of a service practicing aspects of the present invention.

Item categorization for VUD, VLD or visited items can generate exception databases, such as an item match excep-

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tions database (for instance, a URL match exceptions database ("UMED") **1505**) or a topic match exceptions database ("TMED") **1507**. These exception databases record data which require further attention after initial processing to update the VUD, VLD or a visited item database.

An activity viewer database ("AVD") **1610** can store information associating particular users with URLs, locations or items. Raw data regarding user activity is filtered and matched with entries from the VUD, VLD or visited item database to create the AVD. The AVD holds users' activity parsed into a format for display via the Activity Viewer. It includes the activity, internal flag settings, the URL, the page title, the logo, the username, the timestamp & category for an entry. If a user filters the display of data on the Activity Viewer, data is pulled from this database.

Batch query results can be stored in a database, a "BQD" **2211**. Pre-defined queries can be run against the VUD, VLD or visited item database. For instance, top 10 hits, top 50 hits or top 100 hits in a wide range of categories are most efficiently recalculated periodically on a batch basis, rather than in response to ad hoc inquiries.

Third party location detection data can be stored in a detection network directory **2312**. Third party data can be provided as received, on an interrupt-like basis, or in response to periodic requests, on a polling or batch basis. Location categorizations and descriptions **2413**, e.g., Yellow Pages.Com, AutoDesk, etc. can be used to provide supplemental information about locations.

Location/topic entries which require further attention, after processing to update the VLD, can be stored in another match exceptions database, a "LTMED" **2414**.

One aspect of practicing the present invention can include tying into a user's instant messaging products or, more generally, into the user's messaging facilities. For instant messaging ("IM"), users or participants typically set up so-called buddy lists. Other users or participants agree to participate in instant messaging. One IM user can send an instant message to another IM user, if their IM products are compatible. The two can carry on a dialog or a so-called "chat". More than two users may be included in a real-time chat, when the instant messaging product allows multiple participants. Examples of instant messaging products include AOL's Instant Messenger software, MSN Messenger software, Yahoo! Messenger software, America Online's ICQ software, Odigo's instant messenger software and Jabber's instant messenger software. Reciprocal inclusion on buddy lists typically involves a closer relationship between participants than inclusion on an e-mail mailing list or directory, but this is not necessarily the case. Buddy lists sometimes are shorter and more selective than general messaging lists or directories.

The present invention also may be applied to a user's messaging facilities by selectively enabling others listed on a general e-mail or messaging list or directory to participate. Selectively enabling others limits the intrusion on a user's privacy and limits various administrative (e.g., setup and administration) and responsive (e.g., junk mail) burdens. Alternatively, group functions used for other e-mail or messaging purposes can be a basis for defining rights to sharing of activity data.

OVERVIEW AND USER INTERFACES

FIG. 1 is a block diagram of interrelated components of systems practicing aspects of the present invention. Tracked activity may include Internet activity **120**, wireless network location track and interaction activity **121** and enterprise

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intranet activity 122. Activities tracked in these domains may include view, listen, rate, comment, assign emoticon, send, watch, download, bookmark or visit. A user views a URL, watches a visual presentation and listens to an audio presentation. A user visits a restaurant or other location. A user who views, watches, listens or visits may respond to their experience. A user's response may be to rate, comment, assign an emoticon, send information to a buddy, download data or bookmark an item for later access.

Data stored regarding an experience may include VUD, VLD or VXD databases 100, a logo database for URLs, locations or items 101 and a variety of ACL databases. The access control lists can be maintained at the service provider level 104, the enterprise level 102 or the individual user level 103.

Data 130 reflecting individual experiences and aggregated experiences can be accessed or reported in a variety of ways. An activity viewer running on a user's system 131, either fixed or portable, can appear in a window. Reports on locations, either the experiences of others visiting the location or the proximity of buddies or buddies of buddies can be reported automatically to Bluetooth enabled wireless devices 132 when such devices reach a location or are in contact with a location-sponsored Bluetooth access point. Wireless devices can be synchronized 133 when reasonable bandwidth is available to retain data that would be too voluminous to access via a low bandwidth connection. The interfaces of instant message tools 134 can serve as an output channel, as licensing arrangements become available. Physical reports 135 can be printed for analysis. These reports can cover analysis of interactions among participants and spreading of information from one user to others.

FIG. 2 is a user interface for logging in or creating a new account. In one embodiment, separate fields can be provided for user name 251 and password 254. In other embodiments, these fields could be combined. After filling in identification data, a user may select a sign on link 253 or press the enter, return key or other key or may take another action such as speaking a command or winking an eye, which triggers processing of the completed fields. A link is provided for creating a new user 252, which may be on demand or subject to an approval process. A new user can either be a new name for a registered user or a new registration. A user who forgot their password may use one of the commonly employed password recovery schemes, by selecting a forgotten password link 255. An additional link for new user registration is provided 256. In one embodiment, the system implements a strict, anonymous access privacy policy and does not collect any information about the user which could be used for identification of the user or compilation of a database of user-identified activities. In another embodiment, the user can choose the amount of information that the user provides and corresponding services that are enabled by providing information such as an e-mail address. In this second embodiment, the system can publish a range of privacy policies, including a default, and ask the user to opt-in to a specific privacy policy, which may include providing the user's name or e-mail address to a handful of select vendors that have products responsive or keyed to the user's shared activities.

FIG. 3 is a user interface for providing access to system features. The embodiment illustrated is a relatively low profile access window. A lower profile access window can be provided via an icon that is visually accessible, such as a floating menu bar having an always on top attribute or an icon in a system tray. Pressing a hot key is an alternative way to bring an access window into view. The access window

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illustrated in FIG. 3 has many features, which can be included in a wide variety of combinations. The service provider logo 360 doubles as providing access to features not immediately visible. These features may include maximize, minimize, quit or selection of a particular display format. A current selection 361 identifies a current context, such as viewing an aggregated list of the best Hip Hop music of 2000. Rating choices 362 such as thumbs up and thumbs down or emoticons allow a user to instantly express their view regarding the current context with a simple action, such as a single click of a mouse. A user who wants to say more about their experience can select a comments button 363 to activate a window for entering comments. A scroll button 364 also supports entry of free form comments, definition of user comments, selection from among user comments, or selection of emoticons, either system supplied or user defined emoticons. When the scroll button 364 is used, the default item may change from "comments." Other button choices 363 can be provided to a user, in addition to comments, such as emoticons or sending the current context to one or more buddies. A send button 365 is immediately accessible and activates a window for selecting recipients of information from the current context. The current context may be a list or a particular item, either from a hit list or the like or from the user's own activities.

The sharing status toggle 366 allows a user to turn sharing on and off. When sharing is on, rights defined in the ACL provide access for buddies to the user's activity. When sharing is off, the user's activity will not be shared with buddies. However, the user's activity may still be recorded to a tracking server either for aggregation or to be associated with the user but not reported to buddies. The user's options or access to information may be limited when sharing is off, tending to encourage the user to leave sharing activated. The window maximize control 367 allows direct access to maximizing the window to a pre-selected format.

Other aspects of this interface include space for a banner 368 (either static or moving), an invite button 369, a hot list access 370, a search entry window 371 and a search button 372. The banner could be used to generate advertising revenue. The invite button 369 provides access to an invite interface such as FIG. 4. The hot list access 370 provides access to one or more options and access formats for aggregate ratings of items. The ratings may reflect the frequency of access to an item or rating scores assigned by users. The rating scores may be thumbs up/down or any of the other scoring approaches mentioned above. The search entry window 371 accepts text and logical connectors. The find button 372 can be implemented to search titles of items accessed by participants, content of such items, the Internet, an intranet or another domain of interest.

FIGS. 4-5 are aspects of an interface for inviting others to become buddies. FIG. 4 is one of many possible initial invitation interfaces. An instant messaging select button 473 allows a user to identify an instant messaging product which maintains a list of buddies who can be invited to join a group. In some implementations, such as an enterprise implementation, a network directory such as a Novell, NT or Windows 2000 server directory of users may be accessed instead of an instant messaging product. In other implementations, an e-mail system user directory may be accessed for users to invite. Group membership for enterprise implementations alternatively may be administered by a security department, instead of individual users. A scroll button 474 allows a user who has more than one source of lists, such as more than one instant messaging product, to select the user to be invited. The screen name window 475 accepts a text

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string. It may provide assisted field completion, including a list of near matches. For some implementations, such as AIM or Yahoo IM, the screen name may be a name. For other implementations, such as Indigo and ICQ, the screen name may be a number which ties to a name, which may be locally unique or not unique at all. These alternatives are further presented in the discussion of FIG. 17, below. A send button **476** triggers transmission of an invitation to the identified buddy or other potential participant. The transmission may include a text message delivered by the instant messaging tool with a hyperlink for the recipient to sign up. The done button **477** signals that the user is done inviting buddies. A more information button **478** provides a help function.

FIG. 5 is an invitation follow-up interface. In some embodiments of the invitation process, there is no feedback from the instant messaging tool to an invitation process. The invitation process may query the user to determine whether an invitation was sent successfully. This interface provides a user with three alternative responses. If the instant message transmission was successful, the user indicates "yes" **582**. If the user attempted the instant messaging invitation, but the buddy was not available, the user may press the e-mail link **581**. Alternatively, the user may elect to invite the buddy again later **583**. Then, the buddy's name will appear on a buddy administration list (FIG. 8A) with a link such as "resend invitation." The system may allow a user to click on an entry in a list and resend the invitation, preferably when the invitee is on line. In other embodiments or using other instant messaging products, the IM product may assure delivery of the message when the recipient is not instantly available. Yet another approach is for the IM product to provide direct feedback to the activity sharing processes, so that an invitation or other follow-up interface appears only when needed and so that the user never needs to confirm that an invitation or item was successfully sent.

FIG. 6 depicts an interface for sending an item to a buddy. This interface may be invoked, for instance, by selecting the send button **365**. The item being sent is identified **691**. The item identification **691** may be linked to the item, a pull-down menu of items recently viewed or recently sent, or to a dialogue for selecting an item to send. The user selects between sending the item, a link to the item or other item-related information to a buddy who has enrolled to share activity data or to a person listed as an instant messaging buddy. In an enterprise implementation, as described above, the user might select an addressee from a network registry of users or an e-mail list. A personal note **695** may be sent along with an item. The system may be configured so that the personal note is not retained on the tracking server or so that it is retained. The send item button **696** signals that the items should be sent. The cancel button **697** indicates that the item is not to be sent. Either the send or cancel button can be accompanied by a confirmation screen.

FIG. 7 is a confirmation interface for items sent. The three choices are as in FIG. 5: to confirm that the message was sent **799** "yes"; to resend the item by e-mail **798**; or to queue it to be resent later **799** "later."

FIGS. 8A-8D depict interfaces for administration of buddy lists. The embodiments depicted are adapted to integration with instant messaging products. Slightly different embodiments would be better adapted to e-mail or other types of messaging facilities, such as Lotus Notes. FIG. 8A depicts one embodiment of a buddy list. A link is provided **851** for inviting a new buddy. An alternate link for adding a user may appear in the list of buddies **856**. The columns

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provided in this embodiment include a tick box **852**, a buddy name **853**, and one or more instant messaging contact links **854**. The tick box **852** may be used to delete several selected buddies. The buddy name column **853** includes both buddy names and options to resend an invitation or add a new user. The buddy names may be active links which lead to additional interfaces, such as those depicted in FIGS. 8B-8D. The contact column **854** lists one or more instant messaging contact links. The extension following the link may identify a particular instant messaging tool. The link may be in the form of the user ID applicable to a particular instant messaging tool. This interface also includes a link for deleting selected buddies **857** and for indicating completion of buddy list administration **858**.

FIG. 8B is another of the buddy list administration interfaces. The name of the buddy being profiled appears as a header **861**. Optionally, a group of buddies may be administered. Related buddy administration screens include a buddy overview screen **862**, contact information **863**, topic sharing rights **864** and file sharing rights **865**. The user may either view **866** or edit **867** information regarding a buddy or group of buddies. More information can be obtained by clicking a link **868**. For particular buddy, a particular instant messaging tool is selected **869** and instant messaging ID is entered or selected **870**. When a buddy has more than one instant messaging tool or ID, a user may select a link for adding additional links **871**. The interface adds more rows, including more options for instant messaging tools and instant messaging ID's **872**, **873**. More than one instant messaging ID may be assigned to a buddy for a particular instant messaging tool. When the contact information is complete, the user selects the save changes link.

FIG. 8C uses tick boxes to select files or folders to be shared by default. Both default and particular user or user group administration is supported. Tick boxes **881** and directory or file names **882** can be used. Additional files or folders can be added to a list **883**. Alternatively, a Windows Explorer-style file directory tree can be used to select files and directories, as is done for backing up and restoring files or directories. Additional fields and links in FIG. 8C have the same placement and usage as in FIG. 8B.

FIG. 8D is a topic sharing interface. Both default and particular user or user group administration is supported. Tick boxes **891** and topic or sub topic names **892** can be used. Additional topics can be added to a list **893**. Alternatively, a browser-style bookmark tree can be used to select topics. Additional fields and links in FIG. 8B have the same placement and usage as in the previous figures.

FLOWCHARTS

FIG. 9 is a user interface for viewing activity of buddies. The interface illustrated applies as well to viewing of other item or location related data. Tab **963** indicates that the activity-viewing mode of the interface is currently active. Other tabs may be provided for people **962**, files **964**, messages **965** or summaries **966**. The people tab **962** may invoke buddy list administration. The files tab **964** may invoke a hierarchical representation of the user's file system and selection boxes for designating directories and files, relative to particular buddies. The buddy may appear as columns adjacent to the file system representation or with a separate list, with selection boxes for users to be associated with particular rights. The message tab **965** may provide access to a message repository. Button **961** provides access to commands such as minimize, maximize, always on top, etc., which were previously discussed in the context of FIG.

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3. The sharing button and indicator **967** behaves as previously described, also in the context of FIG. 3. In this embodiment, additional controls are provided in a row below the tabs and sharing button. Three filters **971**, **972** and **973** are provided. The who filter **971** specifies whose activity is of interest: for instance, all buddies or a user-defined group of buddies. The topic filter **972** selects one or more pre-defined topics. The view filter **973** allows viewing of all or selected portions of a participant's activity by topic. For instance, only items bookmarked or sent to others may be of interest, in a domain having substantial activity. A keyword search is in effect a fourth filter, including the search term window **974**, the find button **975** and the advanced find button **976**.

Several rows of information responsive to the filters **971-976** appear in FIG. 9. The columns of information displayed for each row include who **981** did **982** what **984** where **985** in what topic area **982** when **988**. Ratings **986** and comments **987** also may be provided. This interface can convey a substantial amount of information compactly. The who column **981** may use short labels, especially when the buddy list is short or subgroups of buddies are created. The did column **982** is compactly represented by an icon, from a recognizably short list of activity types. The icons depicted in this figure may signify viewing, visiting and sending items. Each of the activities mentioned above may be assigned an icon. The topic column **983** also is compactly represented by an icon. The variety of topics may be larger than the variety of activities. User defined subtopics may complicate the selection of icons. In some instances, a user may need to access more detailed information about an activity in order to understand the topic involved. This detailed information may be available through the topics filter **972** or by selecting a particular line including the icon. The what column **984** is an informative title for the item identified. For a URL, a page title may be more informative than the URL. Accordingly, page titles may be stored for URLs, to guard against loss of the page title when a content provider updates the page. Similarly useful shorthands for other types of items may be used. For instance, the name of a restaurant may be used instead of its Bluetooth access point address. The where column **985** is an opportunity to display banners, which may generate user impressions and revenue. Display of banners may be limited to vendors who pay a fee for preferential banner display. The rating column **986** may use a graphic, a color or a symbol to indicate a rating. In this embodiment, icons for thumbs up/down are depicted. The thoughts column **987** may support either free text comments or pick-list comments such as emoticons or user-defined quick comments. The when column **988** records a date and time of an activity. A send button **989** is included. In this embodiment, it appears as a large button on a bottom row, instead of as an icon near the sharing button. Row select commands, such as mouse-click, shift mouse-click and control mouse-click can be used to select one or more rows prior to selecting the send button.

FIG. 10 is a user interface for viewing a so-called hits list, combined with a user interface for viewing activity. The interface illustrated applies as well to viewing of other item or location related data. The bottom part of this interface combines features found in FIGS. 3 and 9. Much of the two rows **1070** is taken from FIG. 3. The who filter **1081** is from FIG. 9. The item rows **1071** are generally as in FIG. 9, with an added column for send buttons **1082**. Next and previous buttons **1084**, **1085** are provided for scrolling through activities.

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The top part of the FIG. 10 interface is a hits list. The title line **1051** identifies the category of hits, in this instance a Top 10 list. Filter buttons are provided for activity type **1052**, group of persons sampled **1053** and location of persons sampled **1054**. When the desired filters are selected, the submit button **1055** signals for the screen to be refreshed. Three columns of information about these 10 hits are provided in this embodiment: rank **1061**, what **1062** and where **1063**. These columns have been explained above, except the ranking, which is ordinal. The coincidence in this example between data lines in the top 10 list and in the activities is unlikely ever to occur at random in actual use; the repeat of the same lines twice in a top 10 list also is unlikely to occur in actual use.

FIG. 11 is a user interface for viewing details regarding particular items. This user interface is combined, like FIG. 10, with a user interface for viewing activity. The bottom part of this interface, **1070**, **1071**, is as in FIG. 10. The top part includes two windows: **1151** through **1154** and **1155** through **1167**. The larger frame in the top part displays search results, annotated with buddy-related information. The search string appears at the top **1155** along with summary search statistics **1158**. Both category results **1156** and individual items have been returned in this example. One category **1156** has been returned. Three items responsive to the search have been returned, each beginning with a title **1157**. Information for an item may include a buddies rating **1161**. The number of buddies of the user who have commented on the site is indicated parenthetically. A summary "thumbs up" is indicated and a percentage of favorable ratings appear. (In actual use, 78% would not be reported from a sample of three ratings.) In addition to user-buddy ratings, other group ratings can be reported. In this instance, ratings aggregated against all registered users **1162** are reported. The second group could be user selected. In an enterprise implementation, it could be a division, subsidiary, a whole enterprise or any other predefined group. The ratings **1161**, **1162** need not be up-to-the-moment ratings, they may be compiled periodically in a batch mode. The information for an item may include a site furnished text **1163**, a review furnished description **1164**, one or more categories applicable to the item **1165** and links for retrieving a cached copy **1166** or similar pages **1167**. The cached copy retrieval **1166** may be an alternative to retrieving a live copy of the item **1157**, which is useful when an item is deleted or moved after it is indexed.

The inset to FIG. 11, **1151-54**, is intended to provide detailed information related one or more of the items displayed. The columns of detailed information in this embodiment include who **1151**, when **1152**, rating **1153**, and comments or emoticons **1154**. If there are more users then can readily be displayed in a single inset, previous and next buttons can be used to scroll through a list. Alternatively, the list can be sized into a larger window. The list also could be filtered to select particular buddies or groups of buddies, date ranges, ratings or comments. The names of individual users and their comments can be linked to additional information or functions related to the individual and to the detailed free text comments.

FIGS. 12-14 are a flowchart illustrating the capture of URL related data from a user. The actions illustrated by this flowchart apply as well to capture of other item or location related data. FIGS. 12 and 13 are linked by the capture/track connector **1233**. FIGS. 13 and 14 are linked by the file & item connector **1355**. The flow in FIG. 12 begins with start **1201**. The user may visit a URL **1202** utilizing any browser, from a PC, telephone, PDA or other device. Others processes

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described in the context of visiting or viewing a URL, it may be applied to other item types as well. The URL visited is captured **1203**. This capture may be accomplished via a browser plug-in, an independently running process, or in a variety of other ways. A page title or other descriptive text may be captured in addition to the URL address. The page title or other text is stored in a temporary variable, along with a timestamp and a user ID. In this embodiment, the capture process next has to determine whether in the user's sharing status is on **1204**. If the sharing status is off **1205**, the system sets the status of the item to private. In other embodiments, the system might all processing of the item. If the sharing status is on **1206**, the system sets the status of the item to public. After the status is been sent, the process tests to determine whether metadata associated with the URL provides a page title **1207**. If not **1208**, the system stores a null indicator in a temporary variable.

If the metadata provides a page title **1209**, the system stores the page title in a temporary variable. The system next compares the URL to entries in the VUD **1210**. If the URL is found in VUD **1211**, the system has to determine whether a page title is stored on the VUD **1221**. If there is a page title on the VUD **1222**, the system action depends on whether the page title variable has been set to null. If not, the system overwrites the value on the VUD with the value of the temporary page title variable **1224**. If the temporary page title variable is null, the page title stored on the VUD is used **1223**. Next, the system determines whether the URL has been categorized on the VUD **1225**. If not, the system sets a temporary category variable to uncategorized **1227**. This is the same action that the system takes in the URL is not on the VUD **1211**. If the URL has been categorized on the VUD, the system sets a temporary category variable based on the contents of the VUD **1226**. The system checks to determine if the URL or a portion of the URL is logged in a logo database **1228**. The logo or URL database **101** holds vendor logo images that correspond to the vendor's URLs. If the vendor has not arranged for its logo to be stored on the VUD **1229**, the system sets the temporary local variable to null **1231**. If there is a corresponding logo, the temporary variable is set to the corresponding logo image **1230**. The system sets a temporary activity variable to view **1232**, corresponding to viewing a URL. The flow continues in FIG. 13.

FIG. 13 depicts processing of URLs behind the interfaces presented above. The user has several options after viewing a URL. Viewing the URL triggers background activities depicted in FIG. 12. While the user is viewing the URL, system monitors for activity **1341**. If no activity is detected **1342**, monitoring continues. When activity is detected, the system determines the type of activity **1343**, **1345**, **1347**, **1349**, **1351**, **1353**. When the user moves to a new URL **1343**, the values stored in temporary variables for the old URL are added to the VUD **1344**. The new URL is processed in accordance with FIG. 12. When the user selects an emoticon **1345**, the system processes the user's selection **1346**. The system may associate either a predefined emoticon with the URL or it may associate a user-defined emoticon with the URL. These values may be stored in a temporary variable until the user moves to a new URL or another user activity triggers storing data to the VUD. When the user decides to enter a free text comment **1347**, the system processes the free text **1348**. It associates a text string with the URL at a temporary location, which can later be transferred to the VUD. The system then resumes monitoring for URL activity **1341**. The user selection of rating **1349** is processed **1350** in much the same way as an emoticon. In the embodiment described here, the rating is either thumbs up for thumbs

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down, a binary rating. Multi-value ratings can also be processed, such as a scale of 1 to 5, 1 to 7, or 1 to 9. The system then resumes monitoring for URL activity **1341**. Choosing the send button **1351** causes two processing steps **1352**. One or more items in the current context are sent to a buddy and the activity of sending the items is reported to a tracking server to be recorded in the VUD. The system then resumes monitoring for URL activity **1341**. Processing that follows detection of a bookmark activity **1353** is similar to processing of a send activity. Either the instant messaging product or the system may process the actual creation of the bookmark. The activity of creating the bookmark is reported to a tracking server to be recorded in the VUD **1354**. Again, the system then resumes monitoring for I/O activity **1341**. Other activities, more often associated with an item other than a URL, are processed as depicted in FIG. 14.

A variety of activities may be associated with items other than URLs. Depending on the type of item involved, the user may listen to or watch the item **1461**, download the item **1463**, purchase the item **1465**, put the item on a wish list **1467**, transfer the item to a mobile device, such as a cell phone or PDA **1469**, or select some other process **1471**. In some circumstances, an unrecognized activity may occur **1473**, which the system may either ignore or treat as an error condition. A listen to or watch activity **1461** causes the system to invoke a player and to record the action and properties of the item listened to or watched **1462**. The recorded information is forwarded for addition to the VUD. A download activity invokes a process, which records the download action and properties of the item downloaded **1464**. The recorded information is forwarded for addition to the VUD. A purchase activity **1465** invokes a process **1466**, which records the purchase action and properties of the item purchased. The recorded information is forwarded for addition to the VUD. A wish list activity **1467** invokes a wish list process **1468** to maintain and add to the user's wish list. The wish list can be maintained as part of the VUD or in a separate database. The information can be maintained redundantly as part of the VUD and as the result of a batch query. When the activity is to transfer the item to a mobile device **1469**, the system invokes a process for sending the information to the mobile device, records the action and properties of the items sent to the mobile device, and forwards the recorded information for addition to the VUD **1470**. The processing of each of these activities in FIG. 14, with the possible exception of error processing **1473**, leads back to monitoring for activity **1341**.

FIG. 15 is a flowchart of automated updating of a visited URL database or VUD, with exception processing. The actions illustrated by these flowcharts apply as well to updating of databases reflecting captures of other item or location related data. An automated VUD updating routine **1511** updates keywords and metadata **1512** and topics **1513**. The input for updating is a set of VUD update records from processing of user activity. Updating **1514** may take place and real-time or on a batch basis. The updating of keywords and metadata utilizes a URL spider and an external search engine index to gather URL indices, keywords and metadata for each VUD entry being updated from the Internet **1522**. Unmatched entries are stored in an exceptions database **1505** and an exception report **1521** is generated. Data in the exceptions database ("UMED") may be manually added to the VUD. These exceptions also can be reprocessed for instance, if Internet access is restored or improved. Additional processing takes place to update topics associated with VUD entries **1513**. During processing **1515**, the system compares VUD entries against one or more external URL

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categorization databases, such as the database provided by the Open Source Directory Project (www.dmoz.org). Matches are processed for addition to the VUD. VUD entries that do not match are marked as on categorized and stored in an exceptions database 1507. Data in this topic exceptions database ("TMED") may be added manually to the VUD or reprocessed any time. Additional items to the exceptions database may cause an exceptions report 1523 to be generated.

FIG. 16 is a flow chart of an activity viewer. The actions illustrated by this flowchart apply as well to viewing of URL, other item or location related data. The activity display population routine 1621 supports the interface 1629, which previously has been discussed in the context of FIG. 9. The system keys 1622 on fields which provide access to the relevant database, such as the VUD, VLD 100 or VXD. For VUD entries, user ID and topic may be used as a key. Alternatively, the key may be fields which match filters available to or selected by the user. For a visited location, user ID and location or action may be used as a key. The system 1622 matches data from the relevant database 100 with the user ACL database 1609. This matching may run periodically on a schedule set by the system administrator or it may run on demand. Data "matches" when the ACL database authorizes the requester or a particular user to have access (e.g., by user ID and topic) to the VXD entry and the status flag is public (as opposed to private) for the VXD entry. Matched data items are buffered 1623. For each buffered entry 1624, the system checks for the existence of a logo on the location logo database ("LLD") 1608. Processing depends on whether or not a logo exists 1625. If it exists, the system sets a temporary variable corresponding to the logo image retrieved from the database 1626. Otherwise, the logo space is left blank. Each matched entry is added 1627 to the corresponding shared users file within the activity viewer database ("AVD") 1610. The system populates activity viewers of logged-in users by pulling entries from the AVD 1628. User ID, action, item, location, category, rating, emoticon, comment, time, or other relevant field may filter the displayed data from the AVD. The activity viewer of the user refreshes the activity display automatically. The frequency for this refresh may be set by a system administrator and may be modified by the user.

FIGS. 17-19 are flow charts of buddy list and access control list ("ACL") administration. The after the administration processes invoked 1721, the process tests to determine whether the user of the system is a new user 1722. A new user may either be invited or not 1725. An invited user is prompted to a start their buddy list with the person who and issued the invitation 1731. If the new user adds the person who invited them 1732, the new user optionally defines access rights 1735. The system then sets flags for new and invited status to "no" 1736. The system adds the buddy and associated information in the user's buddy list to the ACL 1734 and loops back to the start 1721 with the user flagged as not new. In the processing of the new user, if the new user is not invited 1725 or declines to add the person who invited them to the new user's buddy list 1732, an error message is displayed indicating that at least one buddy must appear on a buddy list 1726. The user is routed to an add buddy screen 1733. This add buddy screen 1733 also may be reached by a non-new user who has an empty buddy list 1723 through the invite buddy error message 1726 or after the non-new user is shown their current buddy list 1724 and elects 1727 to add additional buddies. Processing of a non-new user who declines to add additional buddies proceeds to 1728, in FIG. 18. After the add buddy screen, the

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system checks the user's IM tool flags to determine which instant messaging tools are available and to provide an adapted message to the user 1734. The user's options 1738 may include asking for more information, canceling the addition of users or selecting an instant messaging tool such as AIM user, ICQ user, Odigo user or Yahoo IM user. The user may be required to confirm my pressing an OK button after selection of an instant messaging tool. If the user presses OK 1741, instead of cancel, the system tests to determine whether the user requests more information 1742 and provides an information screen 1745 upon request. The system also tests to determine whether the user requests shared topics information 1743 and provides an information screen 1746 on request. After information has been provided the system tests determine whether the user has selected one of the instant messaging options 1744. If not, the system loops and waits 1741. If an instant messaging tool has been selected, the system determines which class of instant messaging tool has been selected 1752. For some instant messaging tools, the system displays a name field 1754 and prompts the user to enter a name 1756. For other instant messaging tools 1751, the system displays a user number field and prompts the user to enter a buddy number 1753. For both classes of instant messaging tools 1755, the user optionally defines access rights. Processing then continues to test for inviting a new buddy 1757, as described in FIG. 19.

FIG. 18 includes logic for editing entries in the buddy list, following other processing 1728. The system checks to determine whether one or more buddies have been selected 1861. If not, processing 1862 returns to a previous screen. If a buddy has been selected, processing depends on the number of buddies in the list 1863. If there are one or fewer buddies in the list 1864, the system activates only the end button. If there is more than one buddy in the list 1866, the system activates edit and remove buttons. The remove button is not activated for one or fewer buddies, as the system requires at least one buddy in a buddy list. The system checks to determine whether edit has been selected 1867. If not, it checks to determine whether remove has been selected 1868. If not, processing returns to the start 1865. If remove has been selected 1869, the system displays a confirmation screen and tests whether the remove command has been confirmed 1872. If not, the system loops again to test whether remove has been selected 1868. If confirmation is given 1874, the system removes one or more buddies from the user's buddy list and returns to the start 1865. Remove will not have been selected if edit is selected 1871. The system responds to selection of edit with an edit user screen 1871. The user responds to the screen by editing any the fields of the selected buddy and clicking submit or cancel. The system tests to determine whether submit has been selected 1875 and, if so, tests to determine whether mandatory fields have been completed 1877. Mandatory fields may include the identity of the instant messaging tool and a user ID, either a name or user number, as appropriate. If some of the mandatory fields are incomplete, an error screen 1876 is displayed and the user is given a further opportunity to add any of the fields 1873. If the mandatory fields are completed, the system updates the buddy and associated information in the buddy list 1878 and returns to the start 1865. If the user clicks cancel instead of submit or otherwise fails to submit 1875, processing proceeds to test whether remove has been selected 1868. The processing from this point proceeds as described above.

FIG. 19 depicts logic for sending invitations to new prospective buddies. This logic complements other interface

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processing 1757. The system determines whether the user has selected the send invitation link 1982. If not, processing returns to the start 1981. If so, the system checks to determine whether the user being invited is already registered for services 1984. The system uses the prospective buddy's IM tool ID as a key. If the prospective buddy has more than one IM tool, the system may either use only a primary IM tool ID or may use all listed IM tool ID's to check for current registration status. If the prospective buddy is not registered 1985, the system invites the buddy by invoking the user's instant messaging tool and creating a message with standard text and a link to invoke a registration process 1983. The system queues the invited prospective buddy in a file of pending invitations 1986. The invited buddy's ACL and instant messaging ID will be stored against a temporary registration ID. When the invited buddy responds to the invitation, the system will use the temporary ID to match the invitee against the queue. After an invitation has been made, the system marks the user's buddy list as not empty 1989 and sets the user's new and invited flags to "no". For a prospective buddy 1985 who is already registered, the system notifies the user of the prospective buddy's status 1987 and stores the buddy name with relevant information, such as adds an identification of the instant messaging tool used by the buddy 1988. The system adds the buddy and associated information to the user's buddy list 1990. The system allows the user to send messages to the buddy, including a message regarding their ACL status 1991. Either the user's instant messaging tool with standard text and links or an e-mail message may be used for this purpose. The system sets the user's new and invited flags to "no" 1992 and returns to start 1981.

FIGS. 20–21 are a flowchart for access control list administration. In FIG. 20, ACL administration begins with a start screen 2051. One sensible default organization is by topic 2052. In the "by topic" view, the system checks 2053 to determine whether a "by buddy" view has been selected. If so, logic for displaying and processing the "by buddy" view is invoked 2054. If not, the system checks to determine whether the administration session has been canceled 2055. If "cancel" has been selected, the system determines whether the page has been marked as amended 2056. If the page has not been amended, the system returns to a previous screen 2050. If it has been marked as amended, the system prompts the user to save changes 2057 and tests whether the user wants to save changes. If not, the system simply reverts to a previous screen 2050. If so, the system updates various access flags and related data 2066 before reverting to the previous screen 2050. When "cancel" has not been selected, the system checks whether a topic folder has been selected 2059. If so, the system shows the corresponding buddy list access level in a pane of the view screen 2060. The system then determines whether tick boxes adjacent to any buddy name have been checked 2061. If so, the display format of the buddy name may be altered to reinforce the tick mark and the page is marked as amended 2062. Processing continues to determine whether a buddy name has been de-selected 2063. If so, the display format of the buddy name may be altered to reinforce the de-selection and page is marked as amended 2064. Processing continues to determine whether "submit" has been selected 2065. If not, processing loops to before 2053. If so, the update path 2066 is followed.

In FIG. 21, ACL administration proceeds from selection of the "by buddy" view 2054. This view is displayed 2172. The system determines whether the user has selected a change of view to "by topic", for instance. If so, the display

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is changed 2171. If not, the system determines whether the user has selected "cancel" 2175. If "cancel" has been selected, the system determines whether the page has been marked as amended 2176. If the page has not been amended, the system returns to a previous screen 2174. If it has been marked as amended, the system prompts the user to save changes 2177 and tests whether the user wants to save changes 2178. If not, the system simply reverts to a previous screen 2174. If so, the system updates various access flags and related data 2186 before reverting to the previous screen 2174. When "cancel" has not been selected, the system checks whether a buddy folder has been selected 2179. If so, the system shows the corresponding topic list access level in a pane of the view screen 2180. The system then determines whether tick boxes adjacent to any topic name have been checked 2181. If so, the display format of the topic name may be altered to reinforce the tick mark, and the page is marked as amended 2182. Processing continues to determine whether a topic name has been de-selected 2183. If so, the display format of the topic name may be altered to reinforce the de-selection and the page is marked as amended 2184. Processing continues to determine whether "submit" has been selected 2185. If not, processing loops to before 2173. If so, the update path 2186 is followed.

FIG. 22 is a flow chart of the batch and custom query processes. Batch processing of requests 2251 may be useful to reduce response time for certain processing-intensive queries. For instance, scoring the top 10 or top 100 hits in a category may require a substantial amount of processing which the user would be unlikely to endure. The selection of a hit list may be from a menu, which means that the number of processing-intensive queries is limited and manageable. The system performs predefined queries 2252 against the VUD 100A and the VLD 100B or any similar database on a batch basis. The results are sent to a database of batch query results ("BQD") 2211. These predefined queries are accessible immediately to both Internet and wireless network queries. FIG. 22 distinguishes between Internet queries 2253 and wireless queries 2255. Internet queries may include both predefined queries and custom-built queries 2254. To the extent that wireless queries are hampered by limited bandwidth, wireless queries may be limited to predefined queries 2256. The processing of both types of queries is essentially the same 2257. The user submits a query to the system and the system either performs or real-time query 2258 or retrieves a predefined query from the batch query database 2259. The system returns results of the query to the user 2260.

FIG. 23 extends aspects of the present invention to wireless devices, such as cellular telephones and pagers. Processing of wireless location and action data begins at 2351. The user's wireless communication device and location detection service is first activated 2352. It is necessary for the user to have a wireless device 2354, which supports a location detection service. This support may be by Bluetooth, GPS or any other location detection technology. Then, the link between location detection and activity sharing is activated 2353. A login process may be automated to execute whenever the wireless device 2354 is activated. Given the activation of a wireless device, the system periodically receives information regarding the location of the wireless device 2356. As described above, this may be on an interrupt, polling or periodic batch transfer basis. A location network directory 2312 is accessible, which reflects location of wireless devices 2354 and contains information such as the devices' location address, location description, a timestamp, and user ID 2358. With this information, the system

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sets the action or activity type to "visit" a location and logs an entry into a visited location database 2358. The system also monitors 2355 for activity related to a location, such as bookmarking a location, rating a location, adding an emoticon or comments about the location. Activity monitoring 2355 continues when no input/output activity is detected 2357. When input/output activity is detected, the system determines the type of activity. Typical activities include bookmarking 2359, rating, or adding an emoticon 2363 or free text comment to a location reference. When a location is bookmarked 2359, the system adds a bookmark flag, location address, location description, a timestamp and a user ID to the VLD or a buffer for later addition to the VLD. When a location is rated 2361, the system adds the rating, location address, location description, a timestamp and the user ID to the VLD or a buffer for later addition to the VLD. When a location is flagged with an emoticon 2363, the system adds the emoticon, location address, location description, a timestamp and the user ID to the VLD or to a buffer for later addition to the VLD. Similarly, when a user makes a comment on a location 2365, the system adds the comment, location address, location description, a timestamp and the user ID to the VLD or to a buffer for later addition to the VLD. For each of these activities, fewer or more fields may be utilized in various embodiments.

FIG. 24 is a flow chart of populating the visited location database ("VLD"). The process for updating topics and descriptions begins at 2451. The system compares 2452 all VLD entries or buffer entries for addition to the VLD against location category and location description database entries 2413. It updates the matching entries and records to categorization and descriptions to the VLD. Unmatched entries are recorded in an exceptions database 2414. This location-topic and location-description match exceptions database ("LT-MED") may be used to generate an exceptions report 2453. Matched entries are written to the VLD 100B.

APPLICATION EXAMPLES

The interfaces and software described above support many methods and devices for sharing communication device and computer usage experiences. One type of sharing communication device user experiences is sharing computer usage experiences, including Internet browsing experiences. Whichever communication device is used, sharing may depend on registration by a user with a registration server. Registration may involve downloading client software to run on the user's system. For enterprise applications, registration may be handled by a system administrator and integrated or coordinated with registration for network login, e-mail or other messaging. In some embodiments, registration may include contractual terms which limit the use of information collected from the user. In other embodiments, registration may be designed to exclude collection of certain user information, such as the user's e-mail address, actual name or physical address. Some users may feel more comfortable registering with the system if registration excludes collection of any information that identifies the user in a manner adapted to direct marketing. Even if registration excludes initial collection of user identifying information, the user may be given the option of entering additional personal information for general use by the providers of the system or for restricted use, in accordance with contractual terms. The registration process may make the user aware that at least a portion of the user's experiences with a communication device, computer or Internet browser will be collected and

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shared. It also may make the user aware that information collected from the user will be aggregated with information collected from other users.

Sharing communication device experiences also may include accessing one or more messaging buddy lists associated with the user. Accessing pre-existing buddy lists provides a base for linking the user and buddies with whom tracking data may be shared. Buddy lists may be maintained by AOL's Instant Messenger software, MSN's Messenger software, Yahoo! Messenger software, America Online's ICQ software, Indigo's instant messenger software or Jabber's instant messenger software. More generally, message recipient lists maintained in e-mail systems, such as Microsoft's Outlook products or AOL's Netscape products may maintain the lists that are accessed. Messaging systems such as Lotus Notes also may maintain message recipient lists that the system can access to identify persons with whom tracking data may be shared.

Buddies or groups of buddies are given defined rights to access tracking data collected from the user. Defined rights of buddies to access tracking data may be based on content categories of material accessed. Examples of content categories or topics can be found in FIG. 8D. Defined rights of buddies also could be based on keywords. Definition of rights to access tracking data collected from the user may have multiple aspects. Access may be restricted by the type of activity involved, such as viewing, listening, rating, commenting, assigning an emoticon, sending, watching, downloading, bookmarking or visiting. Access may be further restricted by when the activity potentially accessed took place. It may be restricted based on a value assigned to a rating or emoticon. It can also be restricted based on its original source. Activities marked private, instead of public, may never be shared, based on a user's decision to turn sharing off. There are many useful combinations of these approaches to define the rights of buddies or groups of buddies to access tracking data.

At least a portion of the user's computer usage experiences are tracked and reported to a tracking server. This tracking may be carried out by a module resident on the user's computer or by a device placed between the user's computer and an access point to the Internet. In an enterprise implementation, tracking can be carried out by a server or proxy server. The tracking data can be filtered before it is reported to the tracking server. Data may be filtered based on a sharing on/off option exercised by the user. It also may be filtered based on content categories. In some implementations, only those activities that fit content categories which the user agreed to share would be reported to the tracking server. Alternatively, activity could be reported to the tracking server that was never intended to be posted for access by buddies. The tracking server or a posting server could filter the information before posting it for buddies to access. The computer user experiences tracked could include viewing URLs, downloading files, listening to songs, viewing videos, making purchases, sending items from a user to their buddies, or general messaging between the user and buddies.

In addition to computer user experiences, inmobile communication device locations can be tracked, using any of the technologies described above. Activities related to location may include visiting the location, rating, commenting on it, assigning an emoticon, or connecting with another buddy or buddy of a buddy at the location. Proximity to a location may be variation on visiting the location.

It further may be useful to categorize at least a portion of the tracking data by content. The categorized tracking data would be subject to filtering and sorting. Categorized track-

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ing data also could be searchable by content category and date range. For instance, a particular buddy's viewing of stock-related sites containing the name "Cisco" during a one or two-month period could be located.

Tracking data can be posted, after filtering, for buddies to access according to their defined access rights. The interface for viewing activity reflected by the tracking data may include a send button, which allows a user to forward an item to a buddy, either with or without comment. Interface also may include rating an emoticon buttons. It may facilitate free text comments on an item. These functions may apply to selected groups of items, in addition to applying to individual items. The buttons for free text comments and the feature for adding notes to items sent to buddies allow annotation of items.

The tracking process further may include generating a full text index of items viewed. This indexing may be performed in the context to viewing URLs or, in an enterprise implementation, in the context of the viewing internal work product or summaries of internal work product. Automated some regeneration may be combined with indexing, so that summaries are indexed.

Additional functionality of the system, which passively tracks activities of registered users may include tracing the flow of information or data among registered users. Information which is sent from a user to a buddy may be annotated with a history of users who forwarded the information. Alternatively, it may include a first user who forward the information and the immediately previous forwarding user. Or, it could identify a limited number of previous forwarding users. If less than a will history of users who forwarded the information is included with information sent from a user to a buddy, an analysis server may use a combination of timestamps and forwarding information to determine the dissemination or diffusion information and the velocity at which it is disseminated. Social network theory provides a number of metrics for evaluating the dissemination or diffusion of information. The tracking capabilities which are an aspect of the present invention can readily be adapted to quantifying the relative influence of one or another user on their buddies, including the strength, frequency, extent and relative value of their influence. Certain users may be selected for introduction to information or new product releases. Certain users may be selected and rewarded as a result of efficient dissemination of information through their social network.

A system practicing aspects of the present invention can readily collect, collate and present user generated lists of superlatives regarding activities, products and services. List may be generated by time period, utilizing date stamps and activities, number of top items (10 or 50 or 100 top items) or other filtering criteria.

The availability of location information for mobile communication devices allows the system practicing aspects of the present invention to present information regarding buddies and buddies of buddies who may be present at the user's physical location. Based on tracking visits to locations, information can be generated such as a particular user's list of favorite restaurants or favorite boutiques. Patterns of visits to physical locations can be reported. Information can be presented to users based on locations recently visited.

Information associated with particular locations can be offered up to users of mobile communication devices, in a context sensitive mode. Categories of information such as buddies' ratings of nearby restaurants can be provided, utilizing location information generated from the mobile communication device and established buddy lists.

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While the preceding example applications are cast in terms of a method, devices and systems employing this method are easily understood. A magnetic memory containing a program capable of practicing the claimed method is one such device. A computer system having memory loaded with a program practicing the claimed method is another such device. A system including a registration server and a tracking server practicing the methods described above is another such device.

While the present invention is disclosed by reference to the embodiments and examples detailed above, it is understood that these examples are intended in an illustrative rather than in a limiting sense. It is contemplated that modifications and combinations will readily occur to those skilled in the art, which modifications and combinations will be within the spirit of the invention and the scope of the following claims.

We claim:

1. A method of sharing computer user experiences, including:
 - communicating with a registration server to register a user, for automatic client-side collection of computer usage experiences for future sharing, wherein the computer usage experiences include one or more of browsing URLs or visiting a location with a location-aware device that records the visited location;
 - accessing one or more of the user's messaging buddy lists and selecting one or more buddies with whom to share the automatically collected computer usage experiences;
 - defining categories of computer usage experiences to be shared with particular selected buddies;
 - tracking automatically on the client-side at least a portion of the user's computer usage experiences and reporting the user's computer usage experiences to a tracking server to be published to the particular buddies in accordance with their defined categories of sharing.
2. The method of claim 1, wherein the registration server and the tracking server are a single server.
3. The method of claim 1, wherein the registration server and the tracking server are distinct servers.
4. The method of claim 1, wherein registering the user excludes collection of the user's e-mail address.
5. The method of claim 1, wherein registering the user excludes collection of the user's actual name.
6. The method of claim 1, wherein registering the user excludes collection of the user's physical address.
7. The method of claim 1, wherein registering the user excludes collection of any information that identifies a user in a manner adapted to direct marketing.
8. The method of claim 1, wherein registering the user further includes establishing an anonymous unique identifier for the user.
9. The method of claim 8, wherein reporting the tracking data includes reporting the anonymous unique identifier.
10. The method of claim 1, wherein the messaging buddy list is maintained by AOL's Instant Messenger software.
11. The method of claim 1, wherein the messaging buddy list is maintained by MSN Messenger software.
12. The method of claim 1, wherein the messaging buddy list is maintained by Yahoo! Messenger software.
13. The method of claim 1, wherein the messaging buddy list is maintained by America Online's ICQ software.
14. The method of claim 1, wherein the messaging buddy list is maintained by Odigo's instant messenger software.
15. The method of claim 1, wherein the messaging buddy list is maintained by Jabber's instant messenger software.

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16. The method of claim 1, wherein the rights of the buddies are defined by content category of the user's computer usage.

17. The method of claim 1, wherein the rights of the buddies are defined by appearance of one or more keywords on pages corresponding to URLs viewed.

18. The method of claim 1, wherein the rights of the buddies are defined by activity type of the user's computer usage.

19. The method of claim 1, wherein the user utilizes a computer and tracking is carried out by a module resident on the computer.

20. The method of claim 1, wherein the tracking is carried out by a device placed between a computer utilized by the user and an access point to the Internet.

21. The method of claim 1, wherein the computer usage experience tracked is filtered before it is reported to the tracking server.

22. The method of claim 1, wherein the computer usage reported is filtered after it is reported to the tracking server and before it is posted for the buddies to access.

23. The method of claim 1, wherein the messaging buddy list is maintained by an instant messenger software.

24. The method of claim 1, further including sending tracking data regarding one of a user's computer usage experiences to one or more buddies.

25. The method of claim 1, further including categorizing at least a portion of the tracking data by content and sorting the tracking data by content category.

26. The method of claim 1, further including categorizing at least a portion of the tracking data by content and making the tracking data searchable by content category and date range.

27. The method of claim 1, wherein posting further includes providing annotation tools for associating notes with individual tracking data entries.

28. The method of claim 1, wherein posting further includes providing annotation tools for associating ratings with individual tracking data entries.

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29. The method of claim 1, wherein posting further includes indexing text portions of at least a portion of pages reported from tracking the user's Internet usage.

30. The method of claim 29, wherein text indexing is limited to pages reported from tracking as having been annotated or forwarded by the user.

31. A method of sharing Internet browsing experiences, including:

tracking automatically with a client-side application at least a portion of a user's Internet usage and reporting the tracking data to a server;

categorizing at least a portion of the reported tracking data by content category;

presenting to the user a history of the reported tracking data, with tools for searching and forwarding the tracking data;

receiving from the user data identifying of one or more persons on the user's buddy lists and authorizing the persons to receive tracking data;

responsive to a user request, sending one or more entries from the history of the reported tracking data to the authorized persons.

32. A method of sharing computer user experiences, including:

registering a user with a registration server to collect and share visited location data using a client-side application collected while visiting a location with a location-aware device that records the visited location;

accessing one or more of the user's messaging buddy lists to identify one or more buddies with whom the tracking data may be shared;

defining rights of the buddies to access the visited location data;

posting at least a portion of the user's visited location data for the buddies to access according to their defined rights.

* * * * *

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
First Named Inventor/Applicant Name:		Darren P. Briggs		
Filer:		R. Chad Bevins/Julie Smith		
Attorney Docket Number:		1116-147-RE4		
Filed as Large Entity				
Reissue (Utility) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility Reissue Basic	1014	1	280	280
Design and Utility Reissue Basic	1114	1	600	600
Design and utility Reissue Basic	1314	1	2160	2160
Pages:				
Claims:				
Reissue claims in excess of 20	1205	57	80	4560
Independent Claims Reissue	1204	19	420	7980
Miscellaneous-Filing:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				15580

Electronic Acknowledgement Receipt	
EFS ID:	15775201
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	71739
Filer:	R. Chad Bevins/Julie Smith
Filer Authorized By:	R. Chad Bevins
Attorney Docket Number:	1116-147-RE4
Receipt Date:	14-MAY-2013
Filing Date:	
Time Stamp:	16:49:25
Application Type:	Reissue (Utility)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$15580
RAM confirmation Number	4026
Deposit Account	501732
Authorized User	BEVINS, R. CHAD
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Reissue Application	1116-147-RE4_Reissue_Transmittal.pdf	349253 d954e2a2775939d768797e79406955dd3927c2a	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	1116-147-RE4_Reissue_Fee_Transmittal.pdf	325678 d7c66eec3a1e0c1ac615531a6e9e9b389ac677df	no	1
Warnings:					
Information:					
3	Application Data Sheet	1116-147-RE4_ADS.PDF	1504168 5817f223c3d85dcc0e68de1f7234ac1ec41631dd	no	8
Warnings:					
Information:					
4	Reissue dec filed in accordance with MPEP 1414	1116-147-RE4_Reissue_Declarations.pdf	1145387 a61decad8e1ef3f76d1fedd54b00fca36a7a6c0	no	16
Warnings:					
Information:					
5	Consent of Assignee accompanying the declaration	1116-147-RE4_Consent_of_Assignee.pdf	81311 ba082894c94bc156205421a6938fca187057523d9	no	1
Warnings:					
Information:					
6	Assignee showing of ownership per 37 CFR 3.73.	1116-147-RE4_Statement_Under_37CFR3-73c.pdf	155295 a8082bad675fee9bed9f139189af15fa8b6e50e1	no	2
Warnings:					
Information:					
7		1116-147-RE4_Preliminary_Amendment.pdf	1219714 2ebce31e246a266701d5eb73a143250419c712f5	yes	22
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Preliminary Amendment		1	1	
	Specification		2	2	
	Claims		3	17	

	Applicant Arguments/Remarks Made in an Amendment	18	22		
Warnings:					
Information:					
8	Drawings-only black and white line drawings	1116-147-RE4_Replacement_Drawings.pdf	741887 f2b81bec071aa5afb1cf93c9eb14dff1e3ad1bd2	no	26
Warnings:					
Information:					
9		1116-147-RE4_7080139.pdf	5838389 dc60843cd1b8fc368ac2c0aba74043deb40c8fe	yes	31
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Abstract		1	1	
	Drawings-only black and white line drawings		2	20	
	Specification		21	31	
Warnings:					
Information:					
10	Fee Worksheet (SB06)	fee-info.pdf	38419 c01ff12ae0894a280cf787221820853e674ea779	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			11399501		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 13/894,009		Filing Date 05/14/2013		☐ To be Mailed	
ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO									
APPLICATION AS FILED – PART I									
(Column 1)		(Column 2)							
FOR		NUMBER FILED		NUMBER EXTRA		RATE (\$)		FEE (\$)	
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A		N/A		N/A			
☐ SEARCH FEE (37 CFR 1.16(k), (j), or (m))		N/A		N/A		N/A			
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A		N/A		N/A			
TOTAL CLAIMS (37 CFR 1.16(i))		77 minus 20 =		• 57		x \$80 =		4560	
INDEPENDENT CLAIMS (37 CFR 1.16(h))		22 minus 3 =		• 19		x \$420 =		7980	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))									
* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL		12540	
APPLICATION AS AMENDED – PART II									
(Column 1)		(Column 2)		(Column 3)					
AMENDMENT	05/14/2013		CLAIMS REMAINING AFTER AMENDMENT			HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))		* 77		Minus	** 77	= 0	x \$80 =	0
	Independent (37 CFR 1.16(h))		* 22		Minus	***22	= 0	x \$420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
	TOTAL ADD'L FEE								0
(Column 1)		(Column 2)		(Column 3)					
AMENDMENT			CLAIMS REMAINING AFTER AMENDMENT			HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))		*		Minus	**	=	x \$	=
	Independent (37 CFR 1.16(h))		*		Minus	***	=	x \$	=
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
	TOTAL ADD'L FEE								
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.									

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 13/894,009			
APPLICATION AS FILED - PART I									
(Column 1)		(Column 2)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA		RATE(\$)	FEE(\$)				
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A		N/A	280		
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A		N/A		N/A	600		
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A		N/A	2160		
TOTAL CLAIMS (37 CFR 1.16(i))	77	minus 20 =	*	57		x 80 =	4560		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	22	minus 3 =	*	19		x 420 =	7980		
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00		
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00		
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL		TOTAL	15580		
APPLICATION AS AMENDED - PART II									
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	x	=
	Application Size Fee (37 CFR 1.16(s))								
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
				TOTAL ADD'L FEE			TOTAL ADD'L FEE		
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	x	=
	Application Size Fee (37 CFR 1.16(s))								
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
				TOTAL ADD'L FEE			TOTAL ADD'L FEE		
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.									



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
13/894,009	05/14/2013	2642	15580	1116-147-RE4	77	22

CONFIRMATION NO. 4762

FILING RECEIPT

71739
Concert Technology Corporation
5400 Trinity Road, Suite 303
Raleigh, NC 27607



OC000000062317542

Date Mailed: 07/02/2013

Receipt is acknowledged of this reissue patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Darren P. Briggs, Nashville, TN;
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Michael W. Mitchell, Santa Cruz, CA;
Emile L. Reed IV, Denver, CO;

Applicant(s)

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Brady O. Bruce, San Francisco, CA;
Michael W. Mitchell, Santa Cruz, CA;
Emile L. Reed IV, Denver, CO;

Assignment For Published Patent Application

Tena Technology, LLC, Wilmington, DE

Power of Attorney: The patent practitioners associated with Customer Number 71739

Domestic Priority data as claimed by applicant

This application is a CON of 12/820,579 06/22/2010 PAT RE44324
which is a CON of 12/172,518 07/14/2008 PAT RE41450
which is a REI of 09/841,475 04/24/2001 PAT 7080139

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 07/01/2013

page 1 of 3

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/894,009**

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

Title

METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING
COMMUNICATION DEVICE EXPERIENCES

Preliminary Class

455

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13894009
	Filing Date		2013-05-14
	First Named Inventor	Darren P. Briggs	
	Art Unit	2642	
	Examiner Name	TBD	
	Attorney Docket Number	1116-147-RE4	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	RE41450	E	2010-07-20	Briggs et al.	
	2	RE44324	E	2013-06-25	Briggs et al.	
	3	5568645		1996-10-22	Morris et al.	
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	Examiner Name	TBD		
	Attorney Docket Number	1116-147-RE4		

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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/R. Chad Bevins/	Date (YYYY-MM-DD)	2013-10-22
Name/Print	R. Chad Bevins	Registration Number	51468

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Remarks:

This application was filed on 25-05-2010 as a divisional application to the application mentioned under INID code 62.

(54) **Location dependent user matching system**

(57) A system and method for matching first (17) and second (19) mobile communications devices are provided. Preference or profile information associated with the first and second mobile communications devices is transmitted to a central server (25) for matching the first (17) and second (19) devices. Location information and trans-

mission statuses of the first and second mobile communications device are also transmitted to the central server (25). Data related to the location of either device is transmitted to the other device depending upon the matched statuses of the mobile communications devices and the location and transmission status information associated with the mobile communications devices.

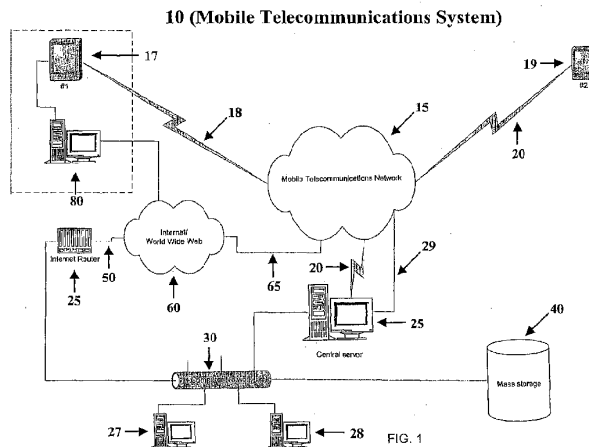


FIG. 1

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Description

FIELD OF THE INVENTION

[0001] The present invention relates generally to telecommunications. More particularly, the present invention relates to an apparatus and method for identifying mobile telecommunications users and transmitting location-based data to them based upon preferences or matching requirements specified by the users.

BACKGROUND

[0002] Mobile telecommunications users often desire information related to their geographic location. In numerous applications, such as convenience shopping and determining an optimal automobile travel route, data related to the geographic location of the user is provided to the user. For example, the Vindigo system is an Internet-based "find-it" service in which a user of a Palm personal data assistant ("PDA") having wireless connectivity to the Internet can request the location of the nearest restaurant or movie theater. The database of subscribing service locations, stored on a computer server connected to the Internet or World Wide Web, is queried when the request is received. Matching information, including location information, regarding the requested service based on the location of the PDA is transmitted to the Palm PDA device over the wireless network connection. This system has a drawback, however, in that the user must specify the location of the requesting PDA because its location is not automatically "tracked" by a position determining system like the Global Positioning System (GPS).

[0003] As another example, the OnStar automobile navigation system uses cellular phone technology and automatic GPS tracking to send information to the automobile or to services organizations that support the automobile. In particular, driving directions may be provided to a stranded motorist based on his GPS-determined location and a desired destination. Also, remote services, such as contacting the nearest emergency services in the event of an airbag deployment or remotely unlocking the automobile in the event the keys are locked within the car, are also provided based on the GPS-determined location of the automobile. This system is limited, however, in that two such automobiles equipped with the OnStar system can not request information related to the position of each other.

[0004] Other systems and methods for delivering local information to mobile travelers, such as those disclosed in U.S. Patent No. 6,014,090, permit a data profile or specific set of preferred facilities to be specified by a mobile communications device user. The mobile communications devices disclosed in this patent contain a GPS transmitter. As the user's telecommunications device moves from location to location, a central resource server provides data to the mobile user through the mobile com-

munications device corresponding to the user's selected preferences, for example a list of desired hotels, restaurants, or gas stations. Like the OnStar system, no provision is made for the simultaneous tracking and notification of a plurality of mobile users based on the positions of the other users.

[0005] Thus, it is desirable for a telecommunications system to notify a first mobile communications user of a second mobile communications user, including providing information related to the location of the second mobile communications device. Such user notification may be based on a physical proximity to one another and/or notification preferences specified by the users. Further, it is often desirable to permit an "availability" status to other mobile communications users to further qualify the transmission of the information related to a user's location to other users, even when physical proximity and notification preference requirements are met.

SUMMARY OF THE INVENTION

[0006] According to one aspect of the present invention, a system for matching users of mobile communications devices is provided comprising a first mobile communications device for transmitting information defining a location of the first mobile communications device and a user receiving status; a second mobile communications device for transmitting information defining a location of the second mobile communications device and a user receiving status; and a central unit having a processor coupled to a memory, the central unit capable of communicating with the first mobile communications device over a first wireless communications link and with the second mobile communications device over a second wireless communications link, the memory storing a first user profile including information associated with a user of the first mobile communications device and a second user profile including information associated with a user of the second mobile communications device, wherein the central unit receives the user receiving statuses and the information defining the locations of the first and the second mobile communications devices and wherein the processor receives the first and the second user profiles to match information of the users and, if there is a match and depending upon the user receiving statuses, effects the transmission to the first mobile communications device of locating information for the second mobile communications device and effects the transmission to the second mobile communications device of locating information for the first mobile communications device, the locating information for each of the devices being based upon the information defining the locations of the first and the second mobile communications devices.

[0007] In the above invention, it is also desirable to provide a system in which the first user profile and the second user profile each of which includes a location, area, or volume and the match of information of the users includes a match of the location, area, or volume con-

tained in the first user profile with the location of the second mobile communications device and a match of the location, area, or volume contained in the second user profile with the location of the first mobile communications device in the invention above.

[0008] In another aspect of the invention, it is desirable to provide a system for matching users of mobile communications devices comprising a first mobile communications device for transmitting information defining a location of the first mobile communications device and a user receiving status; a second mobile communications device for transmitting information defining a location of the second mobile communications device; and a central unit having a processor coupled to a memory, the central unit capable of communicating with the first mobile communications device over a first wireless communications link and with the second mobile communications device over a second wireless communications link, the memory storing a first user profile including information associated with a user of the first mobile communications device and a second user profile including information associated with a user of the second mobile communications device, wherein the central unit receives the user receiving status from the first mobile communications device and the information defining the locations of the first and the second mobile communications devices and wherein the processor receives the first and the second user profiles to match information of the users and, if there is a match and depending upon the user receiving status, effects the transmission to the first mobile communications device of locating information based upon the information defining the locations of the first and the second mobile communications devices.

[0009] In the above invention, it is also desirable to provide a system in which the first user profile includes a location, area, or volume and the match of information of the users includes a match of the location, area, or volume with the location of the second mobile communications device. Further, the system may include features in which the user receiving status is provided by a power-on state of the first mobile telecommunications device.

[0010] In yet another aspect, the present invention includes a system for matching users of mobile communications devices comprising a first mobile communications device for transmitting information defining a location of the first mobile communications device; a second mobile communications device for transmitting information defining a location of the second mobile communications device and a user sending status; and a central unit having a processor coupled to a memory, the central unit capable of communicating with the first mobile communications device over a first wireless communications link and with the second mobile communications device over a second wireless communications link, the memory storing a first user profile including information associated with a user of the first mobile communications device and a second user profile including information associ-

ated with a user of the second mobile communications device, wherein the central unit receives the user sending status from the second mobile communications device and the information defining the locations of the first and the second mobile communications devices and wherein the processor receives the first and the second user profiles to match information of the users and, if there is a match and depending upon the user sending status, effects the transmission to the first mobile communications device of locating information based upon the information defining the locations of the first and the second mobile communications devices.

[0011] In the above invention, it is also desirable to provide a system in which the first user profile includes a location, area, or volume and the match of information of the users includes a match of the location, area, or volume with the location of the second mobile communications device. It is also desirable to provide a system in which the user sending status is provided by a power on state of the second mobile telecommunications device or in which the locating information is locating information for the second mobile communications device. Systems are further contemplated in which the locating information includes a location other than the location of either the first mobile communications device or the second mobile communications device or in which at least one of the first and the second mobile communications devices includes an input device for inputting the profile information.

[0012] In the above invention, it is also desirable to provide a system in which the user profile information includes characteristics of the user and preferences of the user, and the match of information of the users includes matching preferences of the first user with characteristics of the second user and preferences of the second user with characteristics of the first user. It is also desirable to provide a system in which at least one user and the preferences of at least one user is selected from the group consisting of a business relationship, a social relationship, a family relationship, physical characteristics, food, clothing, sports, entertainment, music, and video or in which at least one of the first and the second mobile communications devices is a cellular phone, a pager, a personal data assistant, a global positioning system receiver, a transponder, a radio, a walkie-talkie, or a wireless Internet access device. Further it is desirable to provide systems in which the information defining the location of at least one of the first and the second mobile communications devices includes an address, an intersection, a landmark, a marker, coordinates, or a telephone number or in which the locating information includes a map, vectors, directions, and an address.

[0013] In the above invention, it is also desirable to provide a system in which the locating information includes audio information, video information, textual information, or graphical information or in which the locating information is updated to track a movement of at least one of the first and the second mobile communications

devices or in which the central unit transmits additional information to at least one of the first and second mobile communications devices with the locating information. It is also desirable to provide a system in which additional information is obtained from an Internet web site or in which the user profile of at least one of the first mobile communications device and the second mobile communications device includes information identifying the user of the other mobile communications device.

[0014] In yet another aspect, the present invention includes a system for notifying a first user and a second user of mobile communications devices of each other's presence comprising a first mobile communications device for the first user, the first mobile communications device transmitting a location of the first user and a first user receiving status; a second mobile communications device for the second user, the second mobile communications device transmitting a location of the second user and a second user receiving status; and a central unit having a processor coupled to a memory, the central unit capable of communicating with the first mobile communications device over a first wireless communications link and with the second mobile communications device over a second wireless communications link, the memory storing a profile for each of the first user and the second user, wherein the central unit matches the first user and the second user if the first user profile contains a preference for the second user and the second user profile contains a preference for the first user and the location of the first user and the location of the second user are within a specified distance of one another, the central unit transmitting the location of the first user to the second user and the location of the second user to the first user upon making the match and depending upon the first and second user receiving statuses.

[0015] In a final aspect, the present invention includes a child location system for notifying a parent comprising a mobile communications device for a parent; a mobile communications device for a child, the mobile communications device for the child capable of transmitting a location of the child and a status indicator for the mobile communications device of the child; and a central unit coupled to a memory, the central unit coupled to the mobile communications device for the parent over a first mobile communications link and coupled to the mobile communications device for the child over a second mobile communications link, the memory storing a parent profile including information identifying the mobile communications device of the child and a child profile including information identifying the mobile communications device of the parent, the central unit receiving the status indicator and the location of the child from the second mobile communications device and making a match between the mobile communications device of the parent and the mobile communications device of the child based on the parent profile and the child profile, the central unit transmitting information related to the location of the child to the mobile communications device of the parent over

the first mobile communications link upon making said match when the location of the child is outside a predefined boundary.

DESCRIPTION OF THE DRAWINGS

[0016]

Fig. 1 is a diagram of a mobile telecommunications network according to one embodiment of the present invention.

Fig. 2 is a logical diagram of two mobile communications devices and associated data according to one embodiment of the present invention.

Fig. 3 is a flow chart showing a process for determining the delivery of information to mobile communications devices according to one embodiment of the present invention.

Fig. 4 is another logical diagram of two mobile communications devices and associated data according to another embodiment of the present invention.

Fig. 5 is a flow chart showing a process for determining the delivery of information to mobile communications devices according to another embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0017] Referring to Fig. 1, a mobile telecommunications system 10 according to a particular embodiment of the present invention is shown. Mobile telecommunications system 10 consists of a mobile telecommunications network 15 that connects a first mobile communications device 17 with a second mobile communications device 19 over first and second wireless communications links 18 and 20 respectively. Mobile telecommunications network 15 may consist of a cellular telephone network using one of the cellular telecommunications protocols, such as Code Division Multiple Access (CDMA), Global System for Mobile Communications (GSM) or Time Division Multiple Access (TDMA). Further, mobile telecommunications network 15 may be a pager network, a wireless web network employing, for example, any of the wireless protocols such as WAP, i-mode or 3G, or any other such wireless data or voice transmission network. Likewise, first and second mobile communications devices 17 and 19 may be cellular telephones, pagers, PDAs or other mobile communications or computing devices compatible with mobile telecommunications network 15. Further, the mobile communications devices may be associated with a user, e.g., a human being, pet, livestock, or a particular physical entity, e.g., an automobile, a house, a retail shop, or heavy equipment.

[0018] Mobile telecommunications network 15 is con-

nected to a central computer server 25. Central server 25 minimally includes a processor with associated memory. Central server 25 may be a personal computer, Internet or World Wide Web (hereinafter used interchangeably) server, mainframe computer, or other computing device capable of connecting to mobile telecommunications network 15. Central server 25 may be connected to mobile telecommunications network 15 via wireless link 26. Central server 25 is also connected to computer network 30 which, in turn, is connected to other computers 27 and 28. Computer network 30 is further connected to mass storage devices 40 for storing large amounts of data related to the mobile communications devices 17 and 19 and their respective users. It should be understood that mass storage devices 40, as well as all other computer memories resident on computer network 30, are accessible by central server 25 and are considered to be "associated" memory for the purpose of storing and retrieving the data and information described in this invention.

[0019] In addition to wireless link 26, central server 25 may be connected to mobile telecommunications network 15 via other connections 29, e.g. a hardwired link. Central server 25 may be co-located with mobile telecommunication network 15. For example, computer network 30 may be connected to the Internet 60 via dedicated landline services 50 through network hubs, bridges and routers 35. Dedicated, landline telecommunications services 50 may include T1, ATM, DSL, frame relay, or other services provided by the telecommunications companies for connection to the Internet in general. Network connection 65 connecting Internet 60 and mobile telecommunications network 15 exists through any of the present or heretofore developed services that connect these two networks.

[0020] Figure 2 is a logical diagram showing the physical locations of the first and second mobile communications devices 17 and 19 and some of the data associated with those devices. In particular, first telecommunications device 17 is situated at first location 100 and second telecommunications device 19 is positioned at second location 200. First and second locations 100 and 200 are preferably determined by GPS transceivers within the mobile communications devices. The GPS data indicative of first and second locations 100 and 200 may be stored within a memory inside the mobile communications devices for later transmission over wireless links 18 and 20, shown in Fig. 1, to the central server 25. Alternatively, the GPS data reflecting the locations of the communications devices may be transmitted continuously to the central server 25 so as to accurately reflect the positions of those devices on a real-time basis.

[0021] Associated with each of the mobile communications devices 17 and 19 are data structures 210 and 220 respectively. The data within data structures 210 and 220 may be stored on the mobile communications devices themselves, on central server 25, or on the mass storage elements 40 within mobile telecommunications sys-

tem 10. Regardless of the storage location, each mobile communications device has a data structure associated with it that contains a plurality of types of data.

[0022] The first data associated with the mobile communications devices are the above-mentioned GPS determined location data 211 and 221 indicative of first and second locations 100 and 200 respectively. As previously mentioned, this data is preferably generated by a GPS transceiver within the mobile communications devices and may be stored in memory within those devices prior to transmission to the central server 25.

[0023] The second data associated with the mobile communications devices are the receive/transmit statuses 212 and 222 for the mobile communications devices. As an example, the receive status data consists of a toggle bit within the wireless data stream transmitted over the wireless communications links that indicates whether the associated mobile communications device is accepting data or requests from other mobile communications devices or the central server 25. The transmit status data works similarly in that it indicates to the mobile communications device itself, whether requests or data should be sent to other mobile communications devices or to the central server. In one embodiment, the receive/transmit status may simply default to "available" according to the "power-on" or "ready status" condition of the mobile communications device. In that case, the data type 212, 222 would allow transmitting the data structures 210, 220 and receiving and accordingly would not require those datatypes. The same applies to the other embodiments. Alternatively, a user of the mobile communications device may toggle either of the above-described status conditions using data input means on the mobile communications device such as the keypad of a cell phone or a handwriting tablet portion of a PDA.

[0024] The third data associated with the mobile communications devices are the profile/preference data 213 and 223 for the mobile communications device or the user thereof. The commercial applications for the present invention are numerous and varied. Consequently, as provided in more detail below, the contents of the profile/preference data are likewise numerous and varied. At a fundamental level, however, the profile/preference data contain elements that uniquely identify the particular mobile communications device with which it is associated. Further, the profile data may reflect the particular preferences of the mobile communications device or its user. As with the status data, this data may be entered directly into the mobile communications device using input means on the device or may be integrated as part of the device, for example, embedded in the device firmware.

[0025] The profile/preference data held by the server for each user or mobile communications device may be generally divided into two parts. First, each user's or mobile communications device's profile data contains data related to the characteristics of the user or the device. As an example, the user's characteristic data may include that the user is a manager level employee who works in

the Networking group at Xerox Corp. Second, the profile data may contain preference data for the user or device to be used by the central server in making the match. In the example above, the preference data may include other managers who also work at Xerox and who are in the same city (within approximately 20 miles). Thus the profiles may contain both specific information related to the users/device and the preference data for the user/device that is being sought. Further, the above-mentioned receive/transmit status 212 and 222 may actually be a data element within the preference/profile data 213 and 223. For example, the user may only wish to receive a matching notification from the central server after 5:00 P.M. on weekdays and sets his communications device availability accordingly.

[0026] The data contained within data structures 210 and 220 associated with first and second mobile communications devices 17 and 19 respectively may be entered and transmitted to one another and to the central server 25 in a number of ways. As previously mentioned, location data 211 and 221 may be transmitted directly to the other mobile communications device via a mobile telecommunications network 15 and/or transmitted to the central server 25 via any of its network connections shown in Figure 1. The receive/transmit status 212 and 222 are typically entered on the mobile communications device to either activate or inactivate the receive and/or transmit status for that particular device. In this regard, the status may be either maintained within the memory associated with the mobile communications device, or may be transmitted directly to the other mobile communications devices or the central server. If the receive/transmit status 212 and 222 of the first and second mobile communications devices is stored within the memory of those devices, then the central server 25 may poll each of the mobile communications device on the mobile telecommunications network 15 in order to determine the appropriate status of those devices. Although such continuous polling is possible, a particularly preferred embodiment transmits the status of the mobile communications device to the central server 25 for storage within the memory associated with the central server so as to reduce the required transmission bandwidth for the mobile telecommunications network. Thus, mobile telecommunications data structures 210 and 220 may be stored within first and second mobile communications devices 17 and 19 respectively either in whole, or in part. Any portion of the data within those data structures not stored within the memory of the telecommunications devices themselves may be transmitted to the central server 25 for storage or to the other mobile communications devices within the network.

[0027] It should be appreciated that at least the preference/profile data 213 and 223 may be supplied to central server 25 via means other than the first and second mobile communications devices themselves. In particular, a personal computer 80, shown in Figure 1, may be employed by a user of first mobile communications de-

vice 17 to transmit the preference/profile data 213 associated with that device to central server 25 or to the other mobile communications devices on the mobile communications system 10. Personal computer 80 associated with the first mobile communications device 17 does not necessarily need to be physically proximate to the first mobile communications device 17 during any operational phase of the present invention. For ease of data transfer, however, certain PDA and cell phones now offer synchronization software that permits data transfer between PCs and the mobile communications devices. The same physical relationship, or lack thereof, is true of other communications devices on the network.

[0028] According to a preferred embodiment of the present invention, the mobile communications system 10 operates as follows. First and second mobile communications devices 17 and 19 continuously transmit data, including their location data 211 and 221 determined by the embedded GPS transceiver, through wireless links 18 and 20 to mobile telecommunications network 15. Central server 25 receives the location data from the mobile communications devices via wireless link 26, connections 65 and 50 to the Internet 60 or other connections 29. In conjunction with the location data, mobile communications devices also transmit their receive/transmit status over the same wireless connections. The preference/profile data, however, has preferably been previously transmitted to the central server 25 for storage within its associated memory.

[0029] The decision making process executed by central server 25 in determining whether data should be sent is provided in the flow chart of Figure 3. First, step 301, central server 25 performs a matching function between the profile/preference data 213 of the first mobile communications device 17 and the profile/preference data 223 associated with the second mobile communications device 19. If a match is made, central server 25 continues with step 305 and examines either one or both of the transmit/receive status data 212 and 222 associated with first and second mobile communications devices 17 and 19. If both devices are sending transmit/receive status data that permits them to notify one another of their physical proximity, then central server 25 determines in step 310 whether the first mobile communications device 17 is within a distance 240 of the second mobile communications device 19, as shown in Figure 2.

[0030] After step 310, central server 25 continues with step 315 and causes locating information to be transmitted to either or both of the first and second mobile communications devices 17 and 19 indicating that a "matching" and "available" mobile communications device is in proximate relation to another. Such locating information may include either graphic or textual information and may be in any known format, e.g. a graphical map, textual directions, a video of the actual route to be traveled etc. Locating information may also be the raw GPS determined data. If any of the decision-making conditions in Figure 3 are violated, then no data is transmitted by cen-

tral server 25.

[0031] As refinements to the transmission of the profile/preference information above, the preference or personal data transmitted from the central server to the seeking party or the sought after party may be filtered, e.g. upon the information provider's request, so that certain, otherwise available data is not transmitted. Further, it should be recognized that additional data, for example location dependent data gleaned from Internet sources regarding real-time traffic or weather conditions, may also be transmitted to the receiving mobile communications device along with or in lieu of the profile/preference information.

[0032] In an alternate embodiment according to the present invention, the profile/preference data for each of the mobile communications devices may also reside in memories incorporated as part of the mobile communications devices. In this configuration, the profile/preference information, and receive/transmit statuses of the first and second mobile telecommunications devices are stored in the memory associated with the central server 25 and are used in steps 301 and 305 to determine an available match. Once the full proximity match is made at step 310, the profile/preference data stored on one mobile communications device is transmitted directly to the receiving mobile communications device, say for example, upon the receipt of an "ok-to-transmit" signal from the central server. In this configuration, the output transmission bandwidth from the central server is reduced since full profile/preference information in each transmission to and from communications devices is isolated between the sending and receiving mobile communications devices and does not involve the central server once the match is made and the appropriate communications devices are notified.

[0033] First mobile communications device 17 may also have its own associated proximity range, shown as distance 140 in Figure 2. Distance 140, for example, may correspond to an independently selectable range within which the first mobile communications device 17 may wish to be notified and/or transmit its information regarding the possibility of a match, but only if second mobile communications device 19 is within that distance range. Consequently, the central server 25 processing at step 310 in Figure 3 would compare the location data 211 and 221 with both distances 240 and 140 respectively and would only proceed to step 315 if both distance conditions are satisfied. It should be recognized that the first and second distances 140 and 240 may be selected in real-time, by the mobile communications device user for example, and transmitted to central server 25 as profile/preference data along with the location data and the receive/transmit status data.

[0034] As a hybrid arrangement of the above, if the first and second distances 140 and 240 are unequal, it is possible to have the central server notify the mobile communications device having the longer distance of the presence of another matching device without notifying

the mobile communications device having a shorter distance. In this instance, the communications device having the shorter distance may also receive a special message saying, for example, that another matching and available user is "not in your range, but you are in his. Do you want to meet?".

[0035] The applications to which the present invention may be directed are numerous. The distinction between them lies primarily in the types of data provided in the profile/preference data associated with the mobile communications devices and used to perform the matching of step 301 in Figure 3. In a particularly preferred application, the first and second mobile communications devices 17 and 19 are used by subscribers of a matchmaking or dating service. The mobile communications devices, e.g., web-enabled cellular telephones, transmit their location data to central server 25 as previously described. Each of the users associated with the cell phones employs the input key pad thereon to indicate their availability as a potential match on a real-time basis by keying in their transmit/receive status using the cell phone keypad. As one practical example, two teens in a shopping mall may wish to meet other teens according to specified criteria. In addition to inputting an availability status, the teens may also use their cell phones to dynamically indicate a physical proximity within which the match must be located by specifying a distance, area or volume preference, e.g., 500 feet away, same floor, same mall wing. Finally, the preference data upon which the match is to be based may also be entered in real-time by the teens using the cell phone keypad. Alternatively, the preference data may have been previously entered offline via a personal computer and transmitted to the central server 25. The matchmaking preference data may include, for example, the gender of the potential match, or the religious, social or economic characteristics of the potential match.

[0036] In the above scenario, if a male teenager wishes to meet a female teenager of the same religious background, then that data is entered by the male teenager on his mobile communications device as the male teenager walks through the mall. The preference data is then transmitted to central server 25 which begins to search for matches based on information according to step 301 of Figure 3. Upon finding all matches, the receive/transmit statuses of the potential matching female teenagers are determined, corresponding to step 305 of Figure 3. Based upon the set of "available matches", the central server then monitors the locations of all "available matches" to determine when they are within a default or user specified distance of the requesting male teenager, as in step 310 of Figure 3. Upon finding an available, proximate match, the central server then transmits data to the requesting male teenager indicating a matching female teenager has been found. In this regard, the seeking male teenager may receive the location and/or the personal information for the matching female teenager, including the religion if the receive status of the matching female calls for information to be sent. Alternatively, the

matching female teenager may also receive the location and/or preference data of the requesting male teenager.

[0037] As another example of a matchmaking service, business travelers may wish to locate a particular business service on a nearest available basis when traveling in an unknown area. For example, to determine the nearest available hairdresser, a business traveler may input his or her preferences for a particular type of hair dresser, e.g. salon or barber, from which services are desired. All hairdressers that have indicated that they have available appointments within five miles of the business traveler, for example, may be sent the cell phone number of the traveler so that he may be contacted to set up an appointment.

[0038] In another, similar commercial embodiment, an unoccupied taxi/passenger matching system may be implemented by a system operating according to the present invention. In this system, a passenger desirous of taxi service is matched immediately and directly with the nearest unoccupied taxi.

[0039] In another commercial application of the present invention, an automated scheduling function is implemented to determine a common meeting place for a plurality of attendees. In this application, a plurality of mobile communications devices, all being identifiable subscribers of a particular group, are distributed within a particular distance of one another. The central server may be provided with a time at which the plurality of users wish to meet, and based upon the instantaneous location data of the plurality of users as provided to the central server by their mobile communications devices, the central server 25 may select a convenient meeting place from a predetermined list of available meeting places stored within its memory. In this commercial embodiment, the profile data for each of the mobile communications devices would include, for example, a subscription group identifier that identifies those mobile communications devices as members of the meeting group. Provided each of the mobile communications devices have activated their receive/transmit status, the central server 25 transmits a message to each of the mobile communications devices prior to the pre-arranged meeting time indicating the time and the location of the meeting. In a variation of this commercial embodiment, the potential meeting attendees may be provided with a menu of possible meeting locations by the central server 25 from which each responds by selecting a preferred meeting location. The meeting location selected from each mobile communications device is then transmitted to the central server which selects one location based upon a selection algorithm or set of heuristics. The central server then transmits the selected meeting location to all of the attendees' mobile communications devices.

[0040] In yet another commercial embodiment of the present invention, the mobile telecommunications system according to the present invention provides an optimized matching system for shipping packages. In this system, dynamic rerouting of packages is performed by

the central server based on the location of the packages and the routes of drivers delivering those packages. For example, package driver 1 having a first mobile communications device and providing profile data indicating his route and the package contents of his truck may be determined to be within a certain proximity of a second package driver having a second mobile communications device that provides profile data indicating his route and the package contents of his truck. If the central server determines that one or more of the packages on the first driver's truck are more efficiently delivered if placed on the second driver's truck, then the central server transmits a message to the two drivers indicating a convenient meeting place. If, however, the drivers have timed delivery commitments, as shown in their package profile information or by either driver's indication of an unavailable receive/transmit status on his mobile communications device, then a meeting is not suggested by the server and no notices are sent to the drivers. In this way, a real-time optimization of package shipping may be effected.

[0041] In another commercial implementation of the optimized package shipping embodiment, a driver whose package delivery truck has broken down may transmit its position to central server 25. In this embodiment, each truck will have its own GPS-based communications device so that the location of the disabled truck and the locations of nearby available trucks are known to central server 25. The package delivery information for all the packages on the truck would be contained in the package profile associated with of the broken-down truck, which may be compared with the package delivery profiles of the nearest available delivery trucks by central server 25 to determine the best truck or trucks to which the packages may be transferred. The central server may then reroute and reassign those packages on the broken down truck to one or more of the remaining package delivery vehicles that comes to the aid of the broken-down vehicle on a real-time basis.

[0042] In yet another commercial embodiment according to the present invention, an object finder or object-carrier tracking system may be implemented in which both a valuable, tangible good, e.g. currency bags, and a carrier of the good both contain a GPS position transmission ability. During normal transportation of the currency, both the object and the carrier are at the same geographic location at the same time. However, if the goods are stolen and the currency becomes separated from the carrier, a warning indicator may be forwarded by the central server 25 when, for example, the physical distance between the goods and the carrier becomes greater than a maximum set threshold. In this commercial embodiment, the profile data for the two mobile communications devices would be an association group including location data indicating a maximum permissible separation distance. It is noted from this commercial embodiment that separation distances as well as proximity ranges may be applied according to the present invention.

[0043] In yet another commercial embodiment accord-

ing to the present invention, computer-mediated activity on an aggregate level may be coordinated through the use of a mobile telecommunications system. As one example, the central server may track the locations of a plurality of persons or entities via their mobile communications devices. Based upon those detected positions and an applied group of heuristics, an optimal course of action may then be determined for the plurality of persons. The group of heuristics may be devolved from past and/or similar situations, such that an optimal plan for managing those people or entities are easily used to solve a particular problem. One example might be to direct the location of troops in a military theater where the positions of friendly and enemy troops are known. The central server would apply an optimal battle strategy based upon the transmitted positions of the troops and redirect their activities to adopt new positions. In another application, a forest fire fighting team may have its actions in a remote area coordinated through the use of mobile communications devices and a remote positioning system in which locations of the remotely located fire fighting members are otherwise difficult to coordinate.

[0044] In another commercial embodiment according to the present invention, animals or livestock may be fitted with mobile telecommunications capabilities so as to provide information regarding potential husbandry matches within their roaming areas. For some animals and livestock, the roaming areas are typically larger areas than are monitored by conventional techniques. In this commercial example, the profile information for each of the animals would include criteria that may be used to provide the most optimal mating for the animals based on their physical proximity to other animals of desirable mating characteristics.

[0045] In another commercial embodiment, an efficient human donor matching system is implemented by tracking the locations of human donors of blood, genes or organs and matching the donors with needy recipients. In this example, the profile data for each person would include a blood type, available organs for donation, and/or genetic characteristics of the donor. Upon the request of a potential recipient, a matching donor physically close to the recipient may be quickly identified. In addition, passive identification and storage of people with the same preferences, e.g. blood type, may also be effected for future use. In this system, the central server would track the locations and blood types of all persons in a community. If a person having a rare blood type AB- enters the community, their location would be tracked as well. Then, when an emergency situation arises in which a person needs a transfusion of the rare blood type, potential donors may be contacted that are within a viable transportation distance from the person in need. In this matching system, a passive match making system is provided, i.e., one in which the match is not known to either user. The users, of course, may be provided the ability to participate in a such donation program by setting their "availability" appropriately.

[0046] According to another embodiment of the present invention, Figure 4 shows an alternative arrangement of the physical locations of the first and second mobile communications devices 17 and 19 and some of the data associated with those devices. Unlike the arrangement of Figure 2, the first telecommunications device 17 is disposed at location 420 with respect to a fixed location 400 rather than with respect to the second telecommunications device 19. As with the embodiment of Figure 2, the location data 411 for first mobile communications device 17 is preferably determined by GPS transceivers and transmitted to a central server 25 through the wireless link 18 shown in Figure 1. Unlike the embodiment shown on Figure 2, however, a proximate location determination for the first mobile communications device 17 is made when the first mobile communications device is within distance 440 of the fixed location 400 rather than with respect to a distance from the second mobile communications device 19. Thus, the second mobile communications device 19 may be located anywhere, although in Fig. 4 it is shown to be beyond distance 440 of fixed location 400. In this second embodiment, the information transmitted to the first mobile communication device may include a data that the device is inside or outside the distance 440 of fixed point 400. Further, this information may also be transmitted to the second mobile communications device 19 on a real-time basis or at some later time.

[0047] Those skilled in the art will appreciate that an arbitrary boundary 450 containing fixed location 400 may be substituted for fixed or more regularly defined distance 440 with respect to fixed location 400. Additional boundary data 415 and 425 may be included as part of data structures 410 and 420 to assist in defining the bounded area 452 and in determining the position of the first mobile communications device with respect thereto. As with other data, the boundary data 415 and 425 may be transmitted from the mobile communications devices in real-time or may be pre-stored within the memory associated with central server 25 prior to any proximity determinations.

[0048] The mobile telecommunications network in Figure 1 may be modified to include position determining means other than a GPS positioning system. In particular, a well defined bounded area 452 may contain its own network of short distance, radio-controlled transceivers or location fixing devices within the boundaries of a confined geographical area. Such transceivers may be used to triangulate the position of a mobile communications device based on the transmission and return of signals between those transceivers and the devices themselves. Similarly, the boundary 450 may be maintained by perimeter sensors, e.g. those used by the invisible dog fence. Messages and locations may be transmitted based on the position of the persons within or without the perimeter 450 as determined by the perimeter sensors and discussed above.

[0049] The flow chart of Figure 5 provides the decision

making process executed by central server 25 in determining whether to send data according to this second embodiment. First, at step 501, central server 25 performs a matching function between the profile/preference data 413 of the first mobile communications device 17 and the profile/preference data 423 associated with the second mobile communications device 19. If a match is made, central server continues with step 505 and examines either one or both of the receive status data 412 of the first mobile communications device 17 and the transmit status data 422 of the second mobile communications device 19. If both devices are sending transmit/receive status data that permits them to notify one another of their physical proximity, then central server 25 determines at step 510 whether first mobile communications device 17 is within distance 440 of the fixed location 400. Alternatively, when a fixed boundary 450 is used, the central server determines whether the first mobile communications device 17 is within the perimeter of the fixed boundary 450 at step 510. If so, central server 25 continues with step 515 and causes locating information to be transmitted to either or both of the first and second mobile communications devices 17 and 19 indicating that a "matching" and "available" mobile communications device is in proximate relation to the fixed point or is disposed inside/outside the fixed boundary. If any of decision making conditions are violated in the flow of Figure 5, then no data is transmitted by central server 25.

[0050] As with the first embodiment, first mobile communications device 17 may also have its own associated proximity range, shown as distance 430 in Figure 4. Distance 430, for example, may correspond to an independently selectable range within which the first mobile communications device 17 may wish to be notified and/or transmit its information regarding the possibility of a match, but only if it is within distance 430 of fixed point 400. Consequently, the central server 25 processing at step 510 in Figure 5 would compare the location data 411 and fixed location 400 and would only proceed to step 515 if both distance conditions, 430 and 440, are satisfied. It should be recognized that the first and second distances 430 and 440 may be selected in real-time, by the mobile communications device user for example, and transmitted to central server 25 as profile/preference data along with the location data and the receive/transmit status data.

[0051] Also as in the first embodiment, a hybrid arrangement of the above system is possible. If the first and second distances 430 and 440 are unequal, it is possible to have the central server notify the mobile communications device having the longer distance of the presence of another matching device without notifying the mobile communications device having a shorter distance. In this instance, the communications device having the shorter distance may also receive a special message saying, for example, that "you are outside/inside the designated range or perimeter but the center location is not within your range."

[0052] In a variation of either the first or second embodiments, one or both of the mobile communications devices may be connected to the Internet via traditional land lines. New generation phones that have both cellular and wireless capabilities, for example, may be used to receive and transmit information over a cellular network or the traditional land line telecommunications network. In addition, the user profiles may specify a communications device, phone number or other address other than one associated with itself to receive the matching and locating information transmitted by the central server. As one example, the central server may determine that the GPS-determined location of the receiving mobile communications device is a home or a work location. This information could then be used by the central server to route the transmitted information over traditional land lines, using text-to-voice conversion for example, to transmit the information over a regular telephone line or to an email address/URL that is known to be associated with that location.

[0053] In one commercial embodiment according to the second embodiment of the present invention, parents may locate their children within an amusement park or monitor their children's physical presence within the park. In this embodiment, both the parents and the children are equipped with mobile communications devices. The profile data 413 for the roving child holding first mobile communications device 17 would contain data identifying the second mobile communications device as its parent as well as geographic boundary data 415 that identifies a containment distance 440 or a boundary 450. When the child exceeds the distance 440 or exits area boundary 450, data is sent by the central server to one or both of the first and second mobile communications devices indicating that condition. In this amusement park scenario, information may be sent to a lost child's mobile communications device indicating that they have left the fixed boundary of the park, or other confinement area specified by the parent. Additionally, the child's mobile communications device may be provided with the location of the parent based on the location data 421 associated with the second mobile communications device. Using this information, the child may find the parent regardless of whether the second mobile communications device used by them is inside or outside the fixed distance or boundary area.

[0054] According to another commercial embodiment of this invention, a virtual sign-out system may be implemented in which a number of items may be tracked within a defined physical area or volume. Once an object that contains a mobile communications device exceeds a distance from a fixed location or exits a boundary area, the central server 25 receives a log-out command as part of the data transmission of step 515. The logout command indicates that the object is leaving the specified area and is recorded as being removed therefrom. To complement this, the associative techniques described above with respect to the object finding commercial embodiment may

be used to match that item leaving the geographic boundary with a person, also carrying a mobile communications device, such that ownership of that device is now associated with that user. Thus, this embodiment may be practically applied to include the check out of library books, video rentals or valuable equipment, such as work-related assets removed from the employment premises by employees.

[0055] As another commercial example of the second embodiment, a user having a mobile communications device may transmit data to the central server 25 when it is within a particular distance of a fixed location so as to leave a virtual "calling card" with the server indicating that the user was there at some point in time. The data transmitted to the central server may indicate not only the user's presence but also the interests of that user. As an example, the user's desire to acquire certain types of comics, or stamps in a pawnshop may be forwarded to the computer server. Subsequent users of the mobile communications devices entering the pawn shop, i.e. those entering within a fixed distance of the shop or physically entering within the four walls of the shop, are subsequently notified upon their proximity detection by the central server that the first user was previously present. The subsequent visitors would then be forwarded additional information regarding all previous visitors along with their reasons for leaving the "calling cards". In essence, this commercial embodiment is a latent version of the matchmaking embodiment described with respect to the first embodiment above.

[0056] In yet another commercial embodiment according to the present invention, a flea market vendor located in a fixed booth may transmit information concerning his products to the mobile communications devices that are configured to receive such data and which have indicated a preference for receiving such data. The shoppers are transmitted the location of the flea market vendor or are notified when passing within a given distance of the matching vendor sites or when entering their store.

[0057] In yet another commercial embodiment according to the present invention, an empty parking spot locator is implemented according to the present invention. The driver of an automobile having a mobile communications device would send a message to the central server upon departing its parking spot (a fixed location or boundary) indicating the vacancy. Other cars within the parking lot searching for an open spot and possessing mobile communications devices would be notified of the vacant spot and the position of the spot via message communication with the central server 25. More particularly, the users may be sequentially notified based on their own physical proximity to the open spot so that a rush for that open spot is avoided.

[0058] While particular embodiments and applications of the invention have been shown and described, it will be obvious to those skilled in the art that the specific terms and figures are employed in a generic and descriptive sense only and not for the purposes of limiting or

reducing the scope of the broader inventive aspects herein. By disclosing the preferred embodiments of the present invention above, it is not intended to limit or reduce the scope of coverage for the general applicability of the present invention. Persons of skill in the art will easily recognize the substitution of similar components and steps in the apparatus and methods of the present invention.

Claims

1. A system (10) for matching users of mobile communications devices comprising:

a central unit (25) having a processor coupled to a memory, the central unit (25) capable of communicating: with a first mobile communications device (17) over a first wireless communications link (18) including receiving information defining a location of the first mobile communications device (17) and with a second mobile communications device (19) over a second wireless communications link (20); the memory arranged to store a first user profile including information associated with a user of the first mobile communications device (17) and a second user profile including information associated with a user of the second mobile communications device (19), wherein the central unit (25) is arranged to receive the information defining the location of the first mobile communications device (17)

characterised in that

the processor is arranged to:

make a determination as to whether the first user profile of the user of the first mobile communications device (17) matches the second user profile of the user of the second mobile communications device (19);
if the determination is made that the first user profile of the user of the first mobile communications device (17) matches the second user profile of the user of the second mobile communications device (19), make a determination as to whether the first mobile communications device (17) has a defined relationship with a defined geographical boundary that is unrelated to a location of the second mobile communications device (19) based on the information defining the location of the first mobile communications device (17); and
if the determination is made that the first mobile communications device (17) has the defined relationship with the defined geographical boundary, effect transmission to

- the second mobile communications device (19) of information defining the location of the first mobile communications device (17).
2. The system (10) of claim 1 wherein the defined geographical boundary is a defined distance from a fixed location.
 3. The system (10) of claim 2 wherein the defined distance is a fixed distance.
 4. The system (10) of claim 2 wherein the defined distance is a user-configurable distance set by one of a group consisting of: the user of the first mobile communications device (17) or the user of the second mobile communications device (19).
 5. The system (10) of claim 1 wherein the defined geographical boundary is an arbitrary geographical boundary containing a fixed location.
 6. The system (10) of claim 1 wherein the defined relationship with the defined geographical boundary is being within the defined geographical boundary.
 7. The system (10) of claim 1 wherein the defined relationship with the defined geographical boundary is being outside the defined geographical boundary.
 8. The system (10) of any preceding claim wherein the transmission to the second mobile communications device (19) of the information defining the location of the first mobile communications device (17) is done in real-time.
 9. The system (10) of any preceding claim wherein the transmission to the second mobile communications device (19) of the information defining the location of the first mobile communications device (17) is not done in real-time.
 10. The system (10) of any preceding claim wherein the first and second user profiles of the users of the first and second mobile communications devices (17 and 19) comprise personal characteristics of the users.
 11. The system (10) of any preceding claim wherein the first and second user profiles of the users of the first and second mobile communications devices (17 and 19) comprise preferences of the users.
 12. The system (10) of any preceding claim wherein the central unit (25) also receives information defining the location of the second mobile communications device (19), and the processor is further arranged to effect transmission to the first mobile communications device (17) of information defining the location of the second mobile communications device (19).
 13. The system (10) of any preceding claim wherein the processor is further arranged to effect transmission to the first mobile communications device (17) of information indicating that the first mobile communications device (17) has the defined relationship with the defined geographical boundary.
 14. The system (10) of any preceding claim wherein the central unit (25) further receives a transmit status of the first mobile communications device (17), and the processor is further arranged to make the determination as to whether the first mobile communications device (17) has the defined relationship with the defined geographical boundary and to effect transmission to the second mobile communications device (19) if the determination is made that the first mobile communications device (17) has the defined relationship with the defined geographical boundary depending on the transmit status.
 15. The system (10) of any preceding claim wherein the central unit (25) further receives a receive status of the second mobile communications device (19), and the processor is further arranged to make the determination as to whether the first mobile communications device (17) has the defined relationship with the defined geographical boundary and to effect transmission to the second mobile communications device (19) if the determination is made that the first mobile communications device (17) has the defined relationship with the defined geographical boundary depending the receive status for the second mobile communications device (19).
 16. The system (10) of claim 1 wherein the defined geographic boundary is defined in relation to a fixed location, and the processor is further arranged to:

make a determination as to whether the fixed location is within a second defined geographic boundary defined in relation to the location of the first mobile communications device (17); and effect transmission to the second mobile communications device (19) of information defining the location of the first mobile communications device (17) if the determination is made that the first mobile communications device (17) has the defined relationship with the defined geographical boundary and the determination is made that the fixed location is within the second defined geographic boundary defined in relation to the location of the first mobile communications device (17).
 17. The system (10) of any preceding claim wherein the information defining the location of the first mobile

communications device (17) comprises one of a group consisting of: a graphical map showing the location of the first mobile communications device (17), textual directions to the location of the first mobile communications device (17), a video of an actual route to be traveled to get to the location of the first mobile communications device (17), and raw Global Positioning System (GPS) data defining the location of the first mobile communications device (17).

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10 (Mobile Telecommunications System)

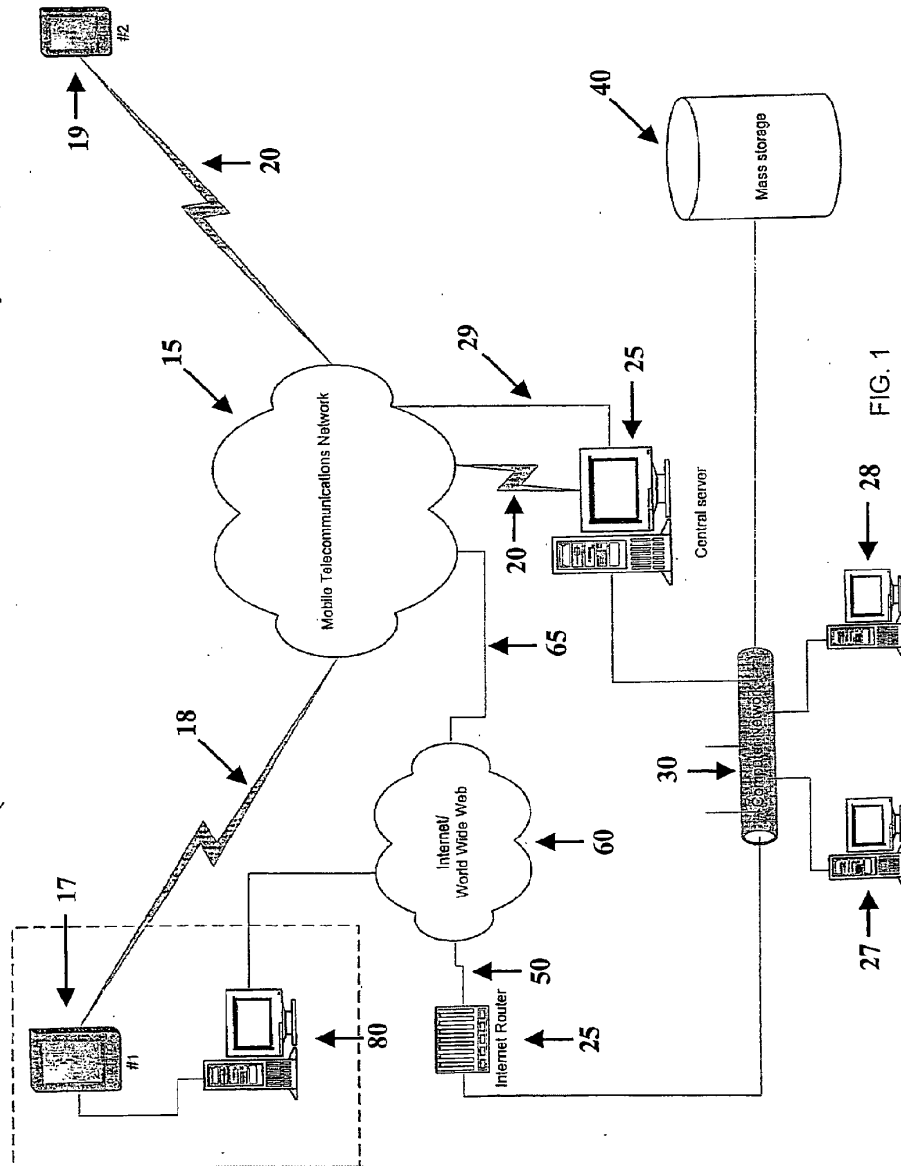


FIG. 1

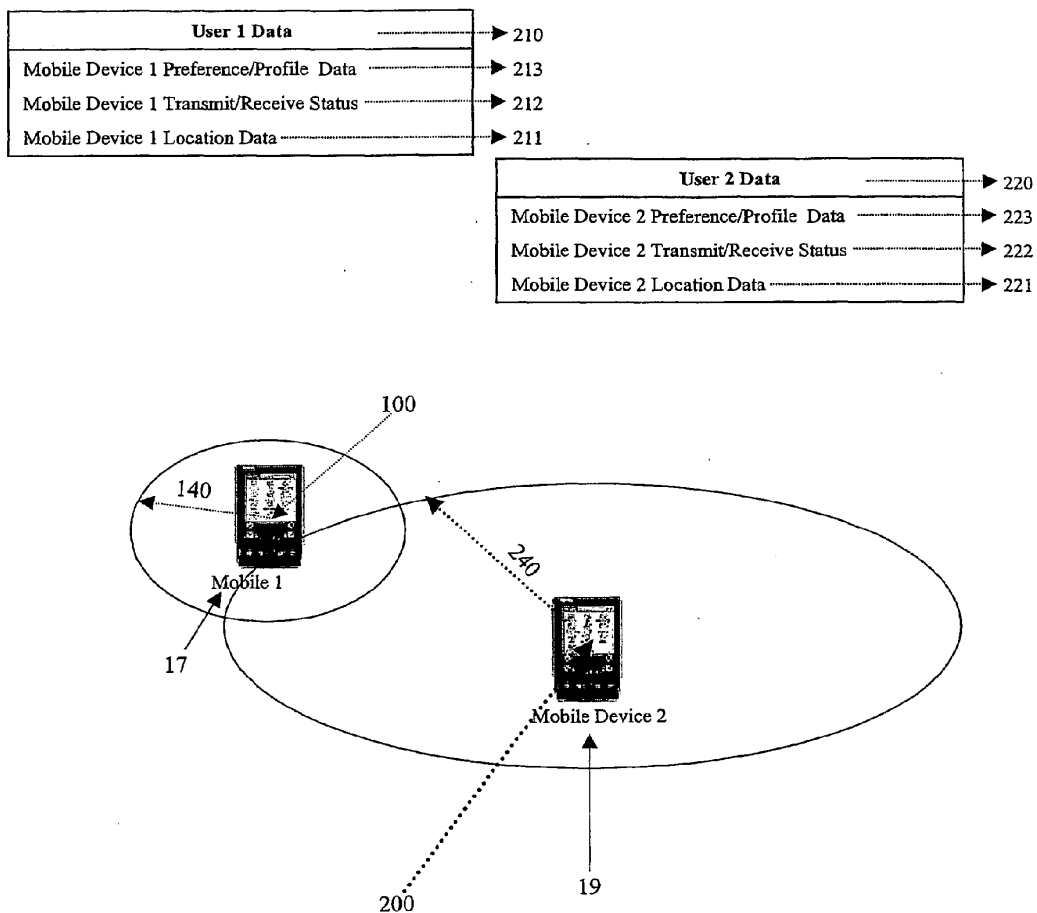


Figure 2

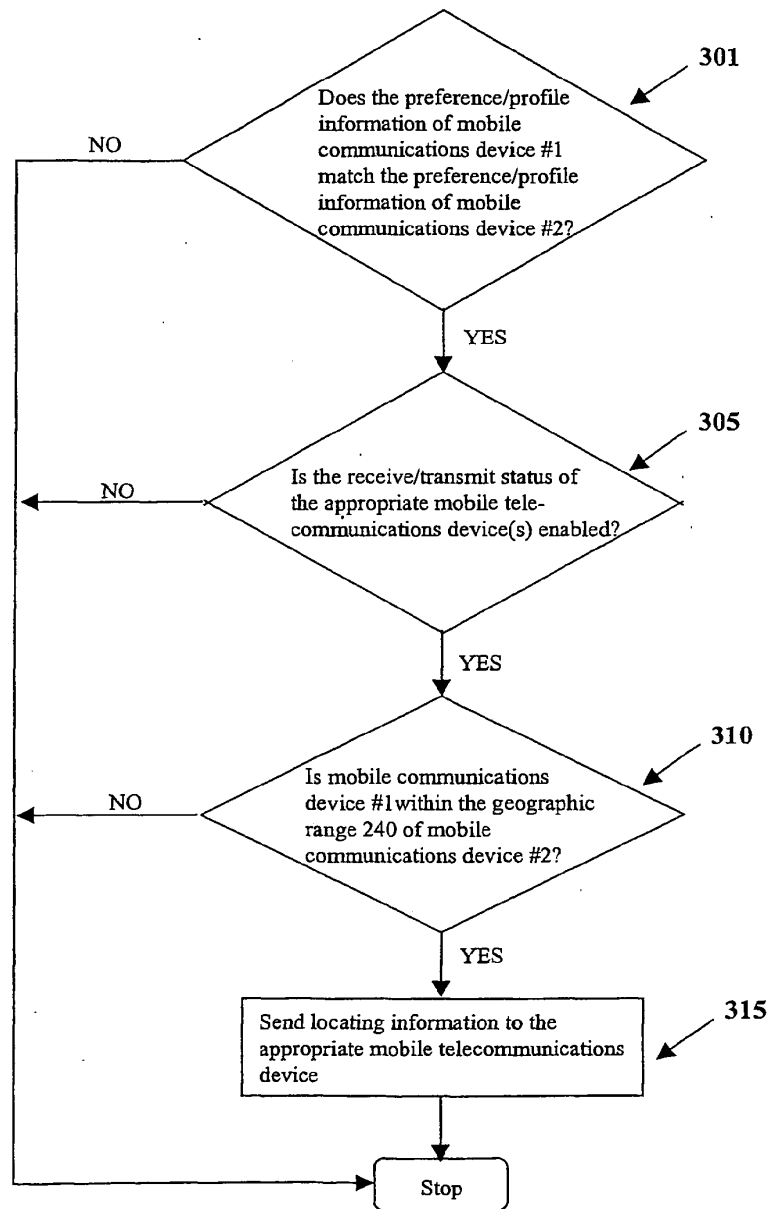


Figure 3

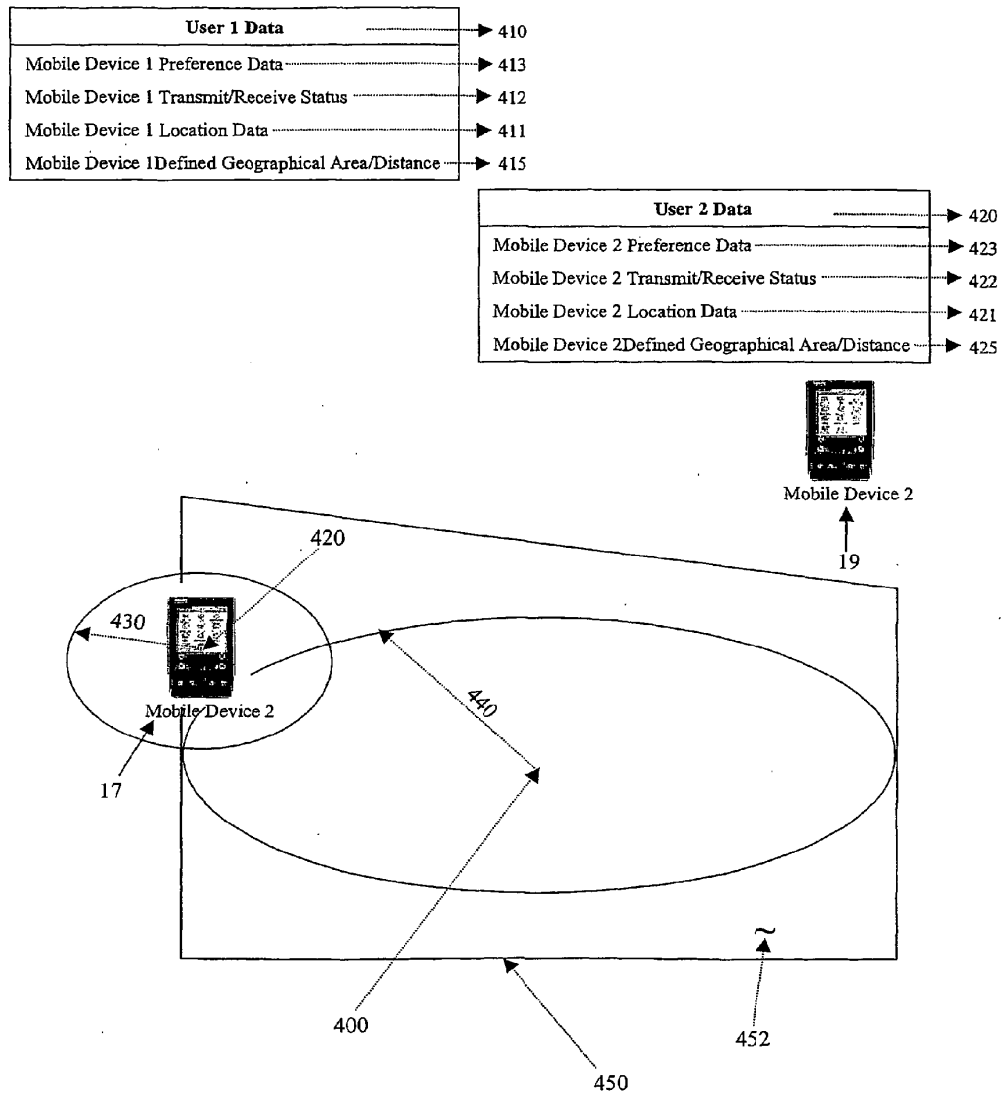


Figure 4

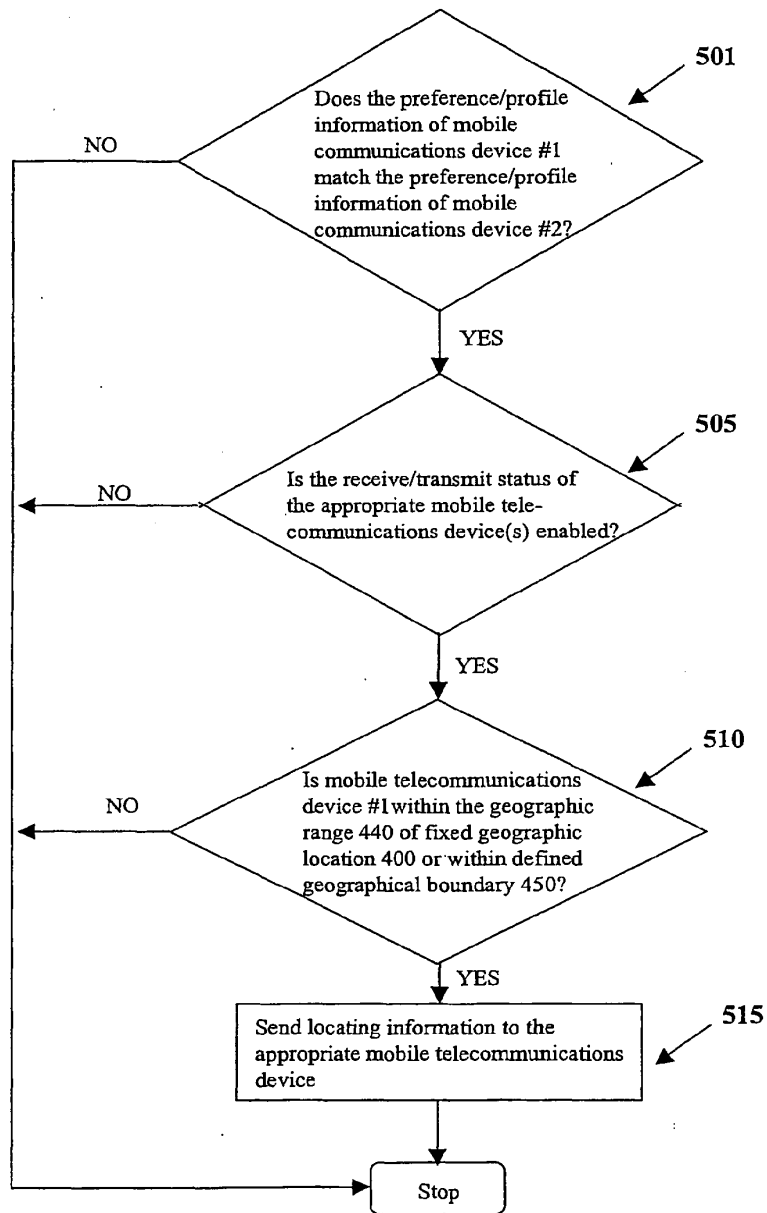


Figure 5



EUROPEAN SEARCH REPORT

 Application Number
EP 10 16 3737

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 2 February 2011	Examiner Lombardi, Giuseppe
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

1 EPO - OHM 1503 (3.82 (P-04.031))

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 10 16 3737

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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02-02-2011

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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Espacenet

Bibliographic data: EP1323318 (A1) — 2003-07-02

LOCATION DEPENDENT USER MATCHING SYSTEM

No documents available for this priority number.

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G08B21/0294; H04L29/08657; H04M3/42; H04W4/02;
H04W4/021; H04W4/023; H04W4/028; G08B2001/085;
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Application number: EP20010968680 20010905

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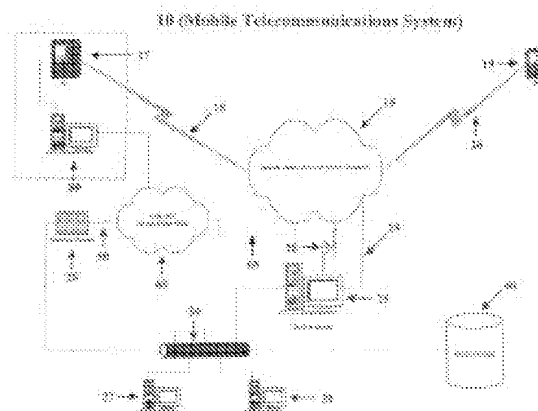
Also published as: [EP1323318 \(A4\)](#) [EP1323318 \(B1\)](#) [WO0221864 \(A1\)](#) [US6618593 \(B1\)](#)
[EP2312871 \(A1\)](#) [more](#)

Abstract not available for EP1323318 (A1)

Abstract of corresponding document: WO0221864 (A1)

A system and method for matching first (17) and second (19) mobile communications devices are provided. Preference or profile information associated with the first and second mobile communications devices is transmitted to a central server (25) for matching the first (17) and second (19) devices. Location information and transmission statuses of the first and second mobile communications device are also transmitted to the central server (25). Data related to the location of either device is transmitted to the other device depending upon the matched statuses of the mobile communications devices and the location and transmission status information associated with the mobile communications devices.

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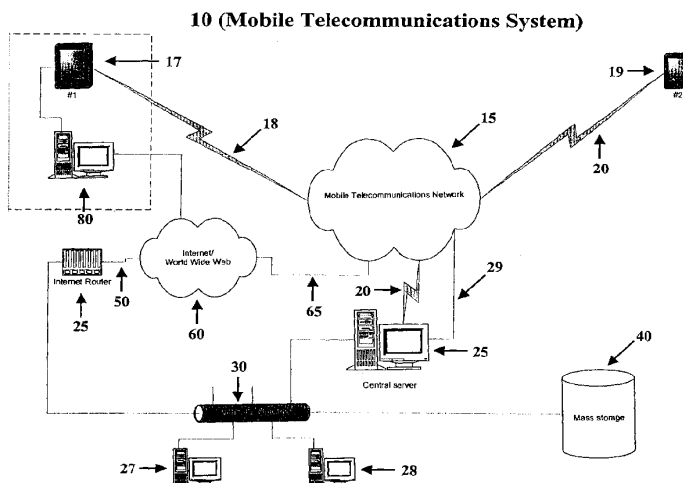
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[Continued on next page]

(54) Title: LOCATION DEPENDENT USER MATCHING SYSTEM



(57) Abstract: A system and method for matching first (17) and second (19) mobile communications devices are provided. Preference or profile information associated with the first and second mobile communications devices is transmitted to a central server (25) for matching the first (17) and second (19) devices. Location information and transmission statuses of the first and second mobile communications device are also transmitted to the central server (25). Data related to the location of either device is transmitted to the other device depending upon the matched statuses of the mobile communications devices and the location and transmission status information associated with the mobile communications devices.



— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

LOCATION DEPENDENT USER MATCHING SYSTEM

5 FIELD OF THE INVENTION

The present invention relates generally to telecommunications. More particularly, the present invention relates to an apparatus and method for identifying mobile telecommunications users and transmitting location-
10 based data to them based upon preferences or matching requirements specified by the users.

BACKGROUND

Mobile telecommunications users often desire information related to their geographic location. In
15 numerous applications, such as convenience shopping and determining an optimal automobile travel route, data related to the geographic location of the user is provided to the user. For example, the Vindigo system is an Internet-based "find-it" service in which a user of a Palm personal data
20 assistant ("PDA") having wireless connectivity to the Internet can request the location of the nearest restaurant or movie theater. The database of subscribing service

locations, stored on a computer server connected to the Internet or World Wide Web, is queried when the request is received. Matching information, including location information, regarding the requested service based on the
5 location of the PDA is transmitted to the Palm PDA device over the wireless network connection. This system has a drawback, however, in that the user must specify the location of the requesting PDA because its location is not automatically "tracked" by a position determining system
10 like the Global Positioning System (GPS).

As another example, the OnStar automobile navigation system uses cellular phone technology and automatic GPS tracking to send information to the automobile or to services organizations that support the automobile.
15 In particular, driving directions may be provided to a stranded motorist based on his GPS-determined location and a desired destination. Also, remote services, such as contacting the nearest emergency services in the event of an airbag deployment or remotely unlocking the automobile in
20 the event the keys are locked within the car, are also provided based on the GPS-determined location of the automobile. This system is limited, however, in that two

such automobiles equipped with the OnStar system can not request information related to the position of each other.

Other systems and methods for delivering local information to mobile travelers, such as those disclosed in U.S. Patent No. 6,014,090, permit a data profile or specific set of preferred facilities to be specified by a mobile communications device user. The mobile communications devices disclosed in this patent contain a GPS transmitter. As the user's telecommunications device moves from location to location, a central resource server provides data to the mobile user through the mobile communications device corresponding to the user's selected preferences, for example a list of desired hotels, restaurants, or gas stations. Like the OnStar system, no provision is made for the simultaneous tracking and notification of a plurality of mobile users based on the positions of the other users.

Thus, it is desirable for a telecommunications system to notify a first mobile communications user of a second mobile communications user, including providing information related to the location of the second mobile communications device. Such user notification may be based on a physical proximity to one another and/or notification preferences specified by the users. Further, it is often

desirable to permit an "availability" status to other mobile communications users to further qualify the transmission of the information related to a user's location to other users, even when physical proximity and notification preference requirements are met.

SUMMARY OF THE INVENTION

According to one aspect of the present invention, a system for matching users of mobile communications devices is provided comprising a first mobile communications device for transmitting information defining a location of the first mobile communications device and a user receiving status; a second mobile communications device for transmitting information defining a location of the second mobile communications device and a user receiving status; and a central unit having a processor coupled to a memory, the central unit capable of communicating with the first mobile communications device over a first wireless communications link and with the second mobile communications device over a second wireless communications link, the memory storing a first user profile including information associated with a user of the first mobile communications device and a second user profile including information associated with a user of the second mobile

communications device, wherein the central unit receives the user receiving statuses and the information defining the locations of the first and the second mobile communications devices and wherein the processor receives the first and the second user profiles to match information of the users and, if there is a match and depending upon the user receiving statuses, effects the transmission to the first mobile communications device of locating information for the second mobile communications device and effects the transmission to the second mobile communications device of locating information for the first mobile communications device, the locating information for each of the devices being based upon the information defining the locations of the first and the second mobile communications devices.

In the above invention, it is also desirable to provide a system in which the first user profile and the second user profile each of which includes a location, area, or volume and the match of information of the users includes a match of the location, area, or volume contained in the first user profile with the location of the second mobile communications device and a match of the location, area, or volume contained in the second user profile with the location of the first mobile communications device in the invention above.

In another aspect of the invention, it is desirable to provide a system for matching users of mobile communications devices comprising a first mobile communications device for
5 transmitting information defining a location of the first mobile communications device and a user receiving status; a second mobile communications device for transmitting information defining a location of the second mobile communications device; and a central unit having a processor
10 coupled to a memory, the central unit capable of communicating with the first mobile communications device over a first wireless communications link and with the second mobile communications device over a second wireless communications link, the memory storing a first user profile
15 including information associated with a user of the first mobile communications device and a second user profile including information associated with a user of the second mobile communications device, wherein the central unit receives the user receiving status from the first mobile
20 communications device and the information defining the locations of the first and the second mobile communications devices and wherein the processor receives the first and the second user profiles to match information of the users and, if there is a match and depending upon the user receiving

status, effects the transmission to the first mobile communications device of locating information based upon the information defining the locations of the first and the second mobile communications devices.

5 In the above invention, it is also desirable to provide a system in which the first user profile includes a location, area, or volume and the match of information of the users includes a match of the location, area, or volume with the location of the second mobile communications
10 device. Further, the system may include features in which the user receiving status is provided by a power-on state of the first mobile telecommunications device.

 In yet another aspect, the present invention includes a system for matching users of mobile communications devices
15 comprising a first mobile communications device for transmitting information defining a location of the first mobile communications device; a second mobile communications device for transmitting information defining a location of the second mobile communications device and a user sending
20 status; and a central unit having a processor coupled to a memory, the central unit capable of communicating with the first mobile communications device over a first wireless communications link and with the second mobile communications device over a second wireless communications

link, the memory storing a first user profile including information associated with a user of the first mobile communications device and a second user profile including information associated with a user of the second mobile
5 communications device, wherein the central unit receives the user sending status from the second mobile communications device and the information defining the locations of the first and the second mobile communications devices and wherein the processor receives the first and the second user
10 profiles to match information of the users and, if there is a match and depending upon the user sending status, effects the transmission to the first mobile communications device of locating information based upon the information defining the locations of the first and the second mobile
15 communications devices.

In the above invention, it is also desirable to provide a system in which the first user profile includes a location, area, or volume and the match of information of the users includes a match of the location, area, or volume
20 with the location of the second mobile communications device. It is also desirable to provide a system in which the user sending status is provided by a power on state of the second mobile telecommunications device or in which the locating information is locating information for the second

mobile communications device. Systems are further contemplated in which the locating information includes a location other than the location of either the first mobile communications device or the second mobile communications device or in which at least one of the first and the second mobile communications devices includes an input device for inputting the profile information.

In the above invention, it is also desirable to provide a system in which the user profile information includes characteristics of the user and preferences of the user, and the match of information of the users includes matching preferences of the first user with characteristics of the second user and preferences of the second user with characteristics of the first user. It is also desirable to provide a system in which at least one user and the preferences of at least one user is selected from the group consisting of a business relationship, a social relationship, a family relationship, physical characteristics, food, clothing, sports, entertainment, music, and video or in which at least one of the first and the second mobile communications devices is a cellular phone, a pager, a personal data assistant, a global positioning system receiver, a transponder, a radio, a walkie-talkie, or a wireless Internet access device.

Further it is desirable to provide systems in which the information defining the location of at least one of the first and the second mobile communications devices includes an address, an intersection, a landmark, a marker, co-
5 ordinates, or a telephone number or in which the locating information includes a map, vectors, directions, and an address.

In the above invention, it is also desirable to provide a system in which the locating information includes audio
10 information, video information, textual information, or graphical information or in which the locating information is updated to track a movement of at least one of the first and the second mobile communications devices or in which the central unit transmits additional information to at least
15 one of the first and second mobile communications devices with the locating information. It is also desirable to provide a system in which additional information is obtained from an Internet web site or in which the user profile of at least one of the first mobile communications device and the
20 second mobile communications device includes information identifying the user of the other mobile communications device.

In yet another aspect, the present invention includes a system for notifying a first user and a second user of

mobile communications devices of each other's presence comprising a first mobile communications device for the first user, the first mobile communications device transmitting a location of the first user and a first user
5 receiving status; a second mobile communications device for the second user, the second mobile communications device transmitting a location of the second user and a second user receiving status; and a central unit having a processor coupled to a memory, the central unit capable of
10 communicating with the first mobile communications device over a first wireless communications link and with the second mobile communications device over a second wireless communications link, the memory storing a profile for each of the first user and the second user, wherein the central
15 unit matches the first user and the second user if the first user profile contains a preference for the second user and the second user profile contains a preference for the first user and the location of the first user and the location of the second user are within a specified distance of one
20 another, the central unit transmitting the location of the first user to the second user and the location of the second user to the first user upon making the match and depending upon the first and second user receiving statuses.

In a final aspect, the present invention includes a child location system for notifying a parent comprising a mobile communications device for a parent; a mobile communications device for a child, the mobile communications
5 device for the child capable of transmitting a location of the child and a status indicator for the mobile communications device of the child; and a central unit coupled to a memory, the central unit coupled to the mobile communications device for the parent over a first mobile
10 communications link and coupled to the mobile communications device for the child over a second mobile communications link, the memory storing a parent profile including information identifying the mobile communications device of the child and a child profile including information
15 identifying the mobile communications device of the parent, the central unit receiving the status indicator and the location of the child from the second mobile communications device and making a match between the mobile communications device of the parent and the mobile communications device of
20 the child based on the parent profile and the child profile, the central unit transmitting information related to the location of the child to the mobile communications device of the parent over the first mobile communications link upon

making said match when the location of the child is outside a predefined boundary.

DESCRIPTION OF THE DRAWINGS

5 Fig. 1 is a diagram of a mobile telecommunications network according to one embodiment of the present invention.

 Fig. 2 is a logical diagram of two mobile communications devices and associated data according to one
10 embodiment of the present invention.

 Fig. 3 is a flow chart showing a process for determining the delivery of information to mobile communications devices according to one embodiment of the present invention.

15 Fig. 4 is another logical diagram of two mobile communications devices and associated data according to another embodiment of the present invention.

Fig. 5 is a flow chart showing a process for determining the delivery of information to mobile communications devices according to another embodiment of the present invention.

5 DETAILED DESCRIPTION OF THE INVENTION

Referring to Fig. 1, a mobile telecommunications system 10 according to a particular embodiment of the present invention is shown. Mobile telecommunications system 10 consists of a mobile telecommunications network 15 that connects a first mobile communications device 17 with a second mobile communications device 19 over first and second wireless communications links 18 and 20 respectively. Mobile telecommunications network 15 may consist of a cellular telephone network using one of the cellular telecommunications protocols, such as Code Division Multiple Access (CDMA), Global System for Mobile Communications (GSM) or Time Division Multiple Access (TDMA). Further, mobile telecommunications network 15 may be a pager network, a wireless web network employing, for example, any of the wireless protocols such as WAP, i-mode or 3G, or any other such wireless data or voice transmission network. Likewise, first and second mobile communications devices 17 and 19 may be cellular telephones, pagers, PDAs or other mobile

communications or computing devices compatible with mobile telecommunications network 15. Further, the mobile communications devices may be associated with a user, e.g., a human being, pet, livestock, or a particular physical
5 entity, e.g., an automobile, a house, a retail shop, or heavy equipment.

Mobile telecommunications network 15 is connected to a central computer server 25. Central server 25 minimally includes a processor with associated memory.
10 Central server 25 may be a personal computer, Internet or World Wide Web (hereinafter used interchangeably) server, mainframe computer, or other computing device capable of connecting to mobile telecommunications network 15. Central server 25 may be connected to mobile telecommunications
15 network 15 via wireless link 26. Central server 25 is also connected to computer network 30 which, in turn, is connected to other computers 27 and 28. Computer network 30 is further connected to mass storage devices 40 for storing large amounts of data related to the mobile communications
20 devices 17 and 19 and their respective users. It should be understood that mass storage devices 40, as well as all other computer memories resident on computer network 30, are accessible by central server 25 and are considered to be "associated" memory for the purpose of storing and

retrieving the data and information described in this invention.

In addition to wireless link 26, central server 25 may be connected to mobile telecommunications network 15 via other connections 29, e.g. a hardwired link. Central server 25 may be co-located with mobile telecommunication network 15. For example, computer network 30 may be connected to the Internet 60 via dedicated landline services 50 through network hubs, bridges and routers 35. Dedicated, landline telecommunications services 50 may include T1, ATM, DSL, frame relay, or other services provided by the telecommunications companies for connection to the Internet in general. Network connection 65 connecting Internet 60 and mobile telecommunications network 15 exists through any of the present or heretofore developed services that connect these two networks.

Figure 2 is a logical diagram showing the physical locations of the first and second mobile communications devices 17 and 19 and some of the data associated with those devices. In particular, first telecommunications device 17 is situated at first location 100 and second telecommunications device 19 is positioned at second location 200. First and second locations 100 and 200 are preferably determined by GPS transceivers within the mobile

communications devices. The GPS data indicative of first and second locations 100 and 200 may be stored within a memory inside the mobile communications devices for later transmission over wireless links 18 and 20, shown in Fig. 1, to the central server 25. Alternatively, the GPS data reflecting the locations of the communications devices may be transmitted continuously to the central server 25 so as to accurately reflect the positions of those devices on a real-time basis.

Associated with each of the mobile communications devices 17 and 19 are data structures 210 and 220 respectively. The data within data structures 210 and 220 may be stored on the mobile communications devices themselves, on central server 25, or on the mass storage elements 40 within mobile telecommunications system 10. Regardless of the storage location, each mobile communications device has a data structure associated with it that contains a plurality of types of data.

The first data associated with the mobile communications devices are the above-mentioned GPS determined location data 211 and 221 indicative of first and second locations 100 and 200 respectively. As previously mentioned, this data is preferably generated by a GPS transceiver within the mobile communications devices and may

be stored in memory within those devices prior to transmission to the central server 25.

The second data associated with the mobile communications devices are the receive/transmit statuses 212 and 222 for the mobile communications devices. As an example, the receive status data consists of a toggle bit within the wireless data stream transmitted over the wireless communications links that indicates whether the associated mobile communications device is accepting data or requests from other mobile communications devices or the central server 25. The transmit status data works similarly in that it indicates to the mobile communications device itself, whether requests or data should be sent to other mobile communications devices or to the central server. In one embodiment, the receive/transmit status may simply default to "available" according to the "power-on" or "ready status" condition of the mobile communications device. In that case, the data type 212, 222 would allow transmitting the data structures 210, 220 and receiving and accordingly would not require those datatypes. The same applies to the other embodiments. Alternatively, a user of the mobile communications device may toggle either of the above-described status conditions using data input means on the

mobile communications device such as the keypad of a cell phone or a handwriting tablet portion of a PDA.

The third data associated with the mobile communications devices are the profile/preference data 213 and 223 for the mobile communications device or the user thereof. The commercial applications for the present invention are numerous and varied. Consequently, as provided in more detail below, the contents of the profile/preference data are likewise numerous and varied.

10 At a fundamental level, however, the profile/preference data contain elements that uniquely identify the particular mobile communications device with which it is associated. Further, the profile data may reflect the particular preferences of the mobile communications device or its user.

15 As with the status data, this data may be entered directly into the mobile communications device using input means on the device or may be integrated as part of the device, for example, embedded in the device firmware.

The profile/preference data held by the server for each user or mobile communications device may be generally divided into two parts. First, each user's or mobile communications device's profile data contains data related to the characteristics of the user or the device. As an example, the user's characteristic data may include that the

20

user is a manager level employee who works in the Networking group at Xerox Corp. Second, the profile data may contain preference data for the user or device to be used by the central server in making the match. In the example above, 5 the preference data may include other managers who also work at Xerox and who are in the same city (within approximately 20 miles). Thus the profiles may contain both specific information related to the users/device and the preference data for the user/device that is being sought. Further, the 10 above-mentioned receive/transmit status 212 and 222 may actually be a data element within the preference/profile data 213 and 223. For example, the user may only wish to receive a matching notification from the central server after 5:00 P.M. on weekdays and sets his communications 15 device availability accordingly.

The data contained within data structures 210 and 220 associated with first and second mobile communications devices 17 and 19 respectively may be entered and transmitted to one another and to the central server 25 in a 20 number of ways. As previously mentioned, location data 211 and 221 may be transmitted directly to the other mobile communications device via a mobile telecommunications network 15 and/or transmitted to the central server 25 via any of its network connections shown in Figure 1. The

receive/transmit status 212 and 222 are typically entered on the mobile communications device to either activate or inactivate the receive and/or transmit status for that particular device. In this regard, the status may be either
5 maintained within the memory associated with the mobile communications device, or may be transmitted directly to the other mobile communications devices or the central server. If the receive/transmit status 212 and 222 of the first and second mobile communications devices is stored within the
10 memory of those devices, then the central server 25 may poll each of the mobile communications device on the mobile telecommunications network 15 in order to determine the appropriate status of those devices. Although such continuous polling is possible, a particularly preferred
15 embodiment transmits the status of the mobile communications device to the central server 25 for storage within the memory associated with the central server so as to reduce the required transmission bandwidth for the mobile telecommunications network. Thus, mobile telecommunications
20 data structures 210 and 220 may be stored within first and second mobile communications devices 17 and 19 respectively either in whole, or in part. Any portion of the data within those data structures not stored within the memory of the telecommunications devices themselves may be transmitted to

the central server 25 for storage or to the other mobile communications devices within the network.

It should be appreciated that at least the preference/profile data 213 and 223 may be supplied to
5 central server 25 via means other than the first and second mobile communications devices themselves. In particular, a personal computer 80, shown in Figure 1, may be employed by a user of first mobile communications device 17 to transmit the preference/profile data 213 associated with that device
10 to central server 25 or to the other mobile communications devices on the mobile communications system 10. Personal computer 80 associated with the first mobile communications device 17 does not necessarily need to be physically proximate to the first mobile communications device 17
15 during any operational phase of the present invention. For ease of data transfer, however, certain PDA and cell phones now offer synchronization software that permits data transfer between PCs and the mobile communications devices. The same physical relationship, or lack thereof, is true of
20 other communications devices on the network.

According to a preferred embodiment of the present invention, the mobile communications system 10 operates as follows. First and second mobile communications devices 17 and 19 continuously transmit data, including their location

data 211 and 221 determined by the embedded GPS transceiver, through wireless links 18 and 20 to mobile telecommunications network 15. Central server 25 receives the location data from the mobile communications devices via
5 wireless link 26, connections 65 and 50 to the Internet 60 or other connections 29. In conjunction with the location data, mobile communications devices also transmit their receive/transmit status over the same wireless connections. The preference/profile data, however, has preferably been
10 previously transmitted to the central server 25 for storage within its associated memory.

The decision making process executed by central server 25 in determining whether data should be sent is provided in the flow chart of Figure 3. First, step 301,
15 central server 25 performs a matching function between the profile/preference data 213 of the first mobile communications device 17 and the profile/preference data 223 associated with the second mobile communications device 19. If a match is made, central server 25 continues with step
20 305 and examines either one or both of the transmit/receive status data 212 and 222 associated with first and second mobile communications devices 17 and 19. If both devices are sending transmit/receive status data that permits them to notify one another of their physical proximity, then

central server 25 determines in step 310 whether the first mobile communications device 17 is within a distance 240 of the second mobile communications device 19, as shown in Figure 2.

5 After step 310, central server 25 continues with step 315 and causes locating information to be transmitted to either or both of the first and second mobile communications devices 17 and 19 indicating that a "matching" and "available" mobile communications device is
10 in proximate relation to another. Such locating information may include either graphic or textual information and may be in any known format, e.g. a graphical map, textual directions, a video of the actual route to be traveled etc. Locating information may also be the raw GPS
15 determined data. If any of the decision-making conditions in Figure 3 are violated, then no data is transmitted by central server 25.

 As refinements to the transmission of the profile/preference information above, the preference or
20 personal data transmitted from the central server to the seeking party or the sought after party may be filtered, e.g. upon the information provider's request, so that certain, otherwise available data is not transmitted. Further, it should be recognized that additional data, for

example location dependent data gleaned from Internet sources regarding real-time traffic or weather conditions, may also be transmitted to the receiving mobile communications device along with or in lieu of the
5 profile/preference information.

In an alternate embodiment according to the present invention, the profile/preference data for each of the mobile communications devices may also reside in memories incorporated as part of the mobile communications
10 devices. In this configuration, the profile/preference information, and receive/transmit statuses of the first and second mobile telecommunications devices are stored in the memory associated with the central server 25 and are used in steps 301 and 305 to determine an available match. Once the
15 full proximity match is made at step 310, the profile/preference data stored on one mobile communications device is transmitted directly to the receiving mobile communications device, say for example, upon the receipt of an "ok-to-transmit" signal from the central server. In this
20 configuration, the output transmission bandwidth from the central server is reduced since full profile/preference information in each transmission to and from communications devices is isolated between the sending and receiving mobile communications devices and does not involve the central

server once the match is made and the appropriate communications devices are notified.

First mobile communications device 17 may also have its own associated proximity range, shown as distance 140 in Figure 2. Distance 140, for example, may correspond to an independently selectable range within which the first mobile communications device 17 may wish to be notified and/or transmit its information regarding the possibility of a match, but only if second mobile communications device 19 is within that distance range. Consequently, the central server 25 processing at step 310 in Figure 3 would compare the location data 211 and 221 with both distances 240 and 140 respectively and would only proceed to step 315 if both distance conditions are satisfied. It should be recognized that the first and second distances 140 and 240 may be selected in real-time, by the mobile communications device user for example, and transmitted to central server 25 as profile/preference data along with the location data and the receive/transmit status data.

As a hybrid arrangement of the above, if the first and second distances 140 and 240 are unequal, it is possible to have the central server notify the mobile communications device having the longer distance of the presence of another matching device without notifying the mobile communications

device having a shorter distance. In this instance, the communications device having the shorter distance may also receive a special message saying, for example, that another matching and available user is "not in your range, but you
5 are in his. Do you want to meet?".

The applications to which the present invention may be directed are numerous. The distinction between them lies primarily in the types of data provided in the profile/preference data associated with the mobile
10 communications devices and used to perform the matching of step 301 in Figure 3. In a particularly preferred application, the first and second mobile communications devices 17 and 19 are used by subscribers of a matchmaking or dating service. The mobile communications devices, e.g.,
15 web-enabled cellular telephones, transmit their location data to central server 25 as previously described. Each of the users associated with the cell phones employs the input key pad thereon to indicate their availability as a potential match on a real-time basis by keying in their
20 transmit/receive status using the cell phone keypad. As one practical example, two teens in a shopping mall may wish to meet other teens according to specified criteria. In addition to inputting an availability status, the teens may also use their cell phones to dynamically indicate a

physical proximity within which the match must be located by specifying a distance, area or volume preference, e.g., 500 feet away, same floor, same mall wing. Finally, the preference data upon which the match is to be based may also
5 be entered in real-time by the teens using the cell phone keypad. Alternatively, the preference data may have been previously entered offline via a personal computer and transmitted to the central server 25. The matchmaking preference data may include, for example, the gender of the
10 potential match, or the religious, social or economic characteristics of the potential match.

In the above scenario, if a male teenager wishes to meet a female teenager of the same religious background, then that data is entered by the male teenager on his mobile
15 communications device as the male teenager walks through the mall. The preference data is then transmitted to central server 25 which begins to search for matches based on information according to step 301 of Figure 3. Upon finding all matches, the receive/transmit statuses of the potential
20 matching female teenagers are determined, corresponding to step 305 of Figure 3. Based upon the set of "available matches", the central server then monitors the locations of all "available matches" to determine when they are within a default or user specified distance of the requesting male

teenager, as in step 310 of Figure 3. Upon finding an available, proximate match, the central server then transmits data to the requesting male teenager indicating a matching female teenager has been found. In this regard, 5 the seeking male teenager may receive the location and/or the personal information for the matching female teenager, including the religion if the receive status of the matching female calls for information to be sent. Alternatively, the matching female teenager may also receive the location 10 and/or preference data of the requesting male teenager.

As another example of a matchmaking service, business travelers may wish to locate a particular business service on a nearest available basis when traveling in an unknown area. For example, to determine the nearest 15 available hairdresser, a business traveler may input his or her preferences for a particular type of hair dresser, e.g. salon or barber, from which services are desired. All hairdressers that have indicated that they have available appointments within five miles of the business traveler, for 20 example, may be sent the cell phone number of the traveler so that he may be contacted to set up an appointment.

In another, similar commercial embodiment, an unoccupied taxi/passenger matching system may be implemented by a system operating according to the present invention.

In this system, a passenger desirous of taxi service is matched immediately and directly with the nearest unoccupied taxi.

In another commercial application of the present invention, an automated scheduling function is implemented to determine a common meeting place for a plurality of attendees. In this application, a plurality of mobile communications devices, all being identifiable subscribers of a particular group, are distributed within a particular distance of one another. The central server may be provided with a time at which the plurality of users wish to meet, and based upon the instantaneous location data of the plurality of users as provided to the central server by their mobile communications devices, the central server 25 may select a convenient meeting place from a predetermined list of available meeting places stored within its memory. In this commercial embodiment, the profile data for each of the mobile communications devices would include, for example, a subscription group identifier that identifies those mobile communications devices as members of the meeting group. Provided each of the mobile communications devices have activated their receive/transmit status, the central server 25 transmits a message to each of the mobile communications devices prior to the pre-arranged meeting

time indicating the time and the location of the meeting.
In a variation of this commercial embodiment, the potential meeting attendees may be provided with a menu of possible meeting locations by the central server 25 from which each
5 responds by selecting a preferred meeting location. The meeting location selected from each mobile communications device is then transmitted to the central server which selects one location based upon a selection algorithm or set of heuristics. The central server then transmits the
10 selected meeting location to all of the attendees' mobile communications devices.

In yet another commercial embodiment of the present invention, the mobile telecommunications system according to the present invention provides an optimized
15 matching system for shipping packages. In this system, dynamic rerouting of packages is performed by the central server based on the location of the packages and the routes of drivers delivering those packages. For example, package driver 1 having a first mobile communications device and
20 providing profile data indicating his route and the package contents of his truck may be determined to be within a certain proximity of a second package driver having a second mobile communications device that provides profile data indicating his route and the package contents of his truck.

If the central server determines that one or more of the packages on the first driver's truck are more efficiently delivered if placed on the second driver's truck, then the central server transmits a message to the two drivers
5 indicating a convenient meeting place. If, however, the drivers have timed delivery commitments, as shown in their package profile information or by either driver's indication of an unavailable receive/transmit status on his mobile communications device, then a meeting is not suggested by
10 the server and no notices are sent to the drivers. In this way, a real-time optimization of package shipping may be effected.

In another commercial implementation of the optimized package shipping embodiment, a driver whose
15 package delivery truck has broken down may transmit its position to central server 25. In this embodiment, each truck will have its own GPS-based communications device so that the location of the disabled truck and the locations of nearby available trucks are known to central server 25.
20 The package delivery information for all the packages on the truck would be contained in the package profile associated with of the broken-down truck, which may be compared with the package delivery profiles of the nearest available delivery trucks by central server 25 to determine the best

truck or trucks to which the packages may be transferred.
The central server may then reroute and reassign those
packages on the broken down truck to one or more of the
remaining package delivery vehicles that comes to the aid of
5 the broken-down vehicle on a real-time basis.

In yet another commercial embodiment according to
the present invention, an object finder or object-carrier
tracking system may be implemented in which both a valuable,
tangible good, e.g. currency bags, and a carrier of the good
10 both contain a GPS position transmission ability. During
normal transportation of the currency, both the object and
the carrier are at the same geographic location at the same
time. However, if the goods are stolen and the currency
becomes separated from the carrier, a warning indicator may
15 be forwarded by the central server 25 when, for example, the
physical distance between the goods and the carrier becomes
greater than a maximum set threshold. In this commercial
embodiment, the profile data for the two mobile
communications devices would be an association group
20 including location data indicating a maximum permissible
separation distance. It is noted from this commercial
embodiment that separation distances as well as proximity
ranges may be applied according to the present invention.

In yet another commercial embodiment according to the present invention, computer-mediated activity on an aggregate level may be coordinated through the use of a mobile telecommunications system. As one example, the
5 central server may track the locations of a plurality of persons or entities via their mobile communications devices. Based upon those detected positions and an applied group of heuristics, an optimal course of action may then be determined for the plurality of persons. The group of
10 heuristics may be devolved from past and/or similar situations, such that an optimal plan for managing those people or entities are easily used to solve a particular problem. One example might be to direct the location of troops in a military theater where the positions of friendly
15 and enemy troops are known. The central server would apply an optimal battle strategy based upon the transmitted positions of the troops and redirect their activities to adopt new positions. In another application, a forest fire fighting team may have its actions in a remote area
20 coordinated through the use of mobile communications devices and a remote positioning system in which locations of the remotely located fire fighting members are otherwise difficult to coordinate.

In another commercial embodiment according to the present invention, animals or livestock may be fitted with mobile telecommunications capabilities so as to provide information regarding potential husbandry matches within
5 their roaming areas. For some animals and livestock, the roaming areas are typically larger areas than are monitored by conventional techniques. In this commercial example, the profile information for each of the animals would include criteria that may be used to provide the most optimal mating
10 for the animals based on their physical proximity to other animals of desirable mating characteristics.

In another commercial embodiment, an efficient human donor matching system is implemented by tracking the locations of human donors of blood, genes or organs and
15 matching the donors with needy recipients. In this example, the profile data for each person would include a blood type, available organs for donation, and/or genetic characteristics of the donor. Upon the request of a potential recipient, a matching donor physically close to
20 the recipient may be quickly identified. In addition, passive identification and storage of people with the same preferences, e.g. blood type., may also be effected for future use. In this system, the central server would track the locations and blood types of all persons in a community.

If a person having a rare blood type AB- enters the community, their location would be tracked as well. Then, when an emergency situation arises in which a person needs a transfusion of the rare blood type, potential donors may be
5 contacted that are within a viable transportation distance from the person in need. In this matching system, a passive match making system is provided, i.e., one in which the match is not known to either user. The users, of course, may be provided the ability to participate in a such
10 donation program by setting their "availability" appropriately.

According to another embodiment of the present invention, Figure 4 shows an alternative arrangement of the physical locations of the first and second mobile
15 communications devices 17 and 19 and some of the data associated with those devices. Unlike the arrangement of Figure 2, the first telecommunications device 17 is disposed at location 420 with respect to a fixed location 400 rather than with respect to the second telecommunications device
20 19. As with the embodiment of Figure 2, the location data 411 for first mobile communications device 17 is preferably determined by GPS transceivers and transmitted to a central server 25 through the wireless link 18 shown in Figure 1. Unlike the embodiment shown on Figure 2, however, a

proximate location determination for the first mobile communications device 17 is made when the first mobile communications device is within distance 440 of the fixed location 400 rather than with respect to a distance from the second mobile communications device 19. Thus, the second mobile communications device 19 may be located anywhere, although in Fig. 4 it is shown to be beyond distance 440 of fixed location 400. In this second embodiment, the information transmitted to the first mobile communication device may include a data that the device is inside or outside the distance 440 of fixed point 400. Further, this information may also be transmitted to the second mobile communications device 19 on a real-time basis or at some later time.

Those skilled in the art will appreciate that an arbitrary boundary 450 containing fixed location 400 may be substituted for fixed or more regularly defined distance 440 with respect to fixed location 400. Additional boundary data 415 and 425 may be included as part of data structures 410 and 420 to assist in defining the bounded area 452 and in determining the position of the first mobile communications device with respect thereto. As with other data, the boundary data 415 and 425 may be transmitted from the mobile communications devices in real-time or may be

pre-stored within the memory associated with central server 25 prior to any proximity determinations.

The mobile telecommunications network in Figure 1 may be modified to include position determining means other than a GPS positioning system. In particular, a well defined bounded area 452 may contain its own network of short distance, radio-controlled transceivers or location fixing devices within the boundaries of a confined geographical area. Such transceivers may be used to triangulate the position of a mobile communications device based on the transmission and return of signals between those transceivers and the devices themselves. Similarly, the boundary 450 may be maintained by perimeter sensors, e.g. those used by the invisible dog fence. Messages and locations may be transmitted based on the position of the persons within or without the perimeter 450 as determined by the perimeter sensors and discussed above.

The flow chart of Figure 5 provides the decision making process executed by central server 25 in determining whether to send data according to this second embodiment. First, at step 501, central server 25 performs a matching function between the profile/preference data 413 of the first mobile communications device 17 and the profile/preference data 423 associated with the second

mobile communications device 19. If a match is made, central server continues with step 505 and examines either one or both of the receive status data 412 of the first mobile communications device 17 and the transmit status data 5 422 of the second mobile communications device 19. If both devices are sending transmit/receive status data that permits them to notify one another of their physical proximity, then central server 25 determines at step 510 whether first mobile communications device 17 is within 10 distance 440 of the fixed location 400. Alternatively, when a fixed boundary 450 is used, the central server determines whether the first mobile communications device 17 is within the perimeter of the fixed boundary 450 at step 510. If so, central server 25 continues with step 515 and causes 15 locating information to be transmitted to either or both of the first and second mobile communications devices 17 and 19 indicating that a "matching" and "available" mobile communications device is in proximate relation to the fixed point or is disposed inside/outside the fixed boundary. If 20 any of decision making conditions are violated in the flow of Figure 5, then no data is transmitted by central server 25.

As with the first embodiment, first mobile communications device 17 may also have its own associated

proximity range, shown as distance 430 in Figure 4.
Distance 430, for example, may correspond to an independently selectable range within which the first mobile communications device 17 may wish to be notified and/or
5 transmit its information regarding the possibility of a match, but only if it is within distance 430 of fixed point 400. Consequently, the central server 25 processing at step 510 in Figure 5 would compare the location data 411 and fixed location 400 and would only proceed to step 515 if
10 both distance conditions, 430 and 440, are satisfied. It should be recognized that the first and second distances 430 and 440 may be selected in real-time, by the mobile communications device user for example, and transmitted to central server 25 as profile/preference data along with the
15 location data and the receive/transmit status data.

Also as in the first embodiment, a hybrid arrangement of the above system is possible. If the first and second distances 430 and 440 are unequal, it is possible to have the central server notify the mobile communications
20 device having the longer distance of the presence of another matching device without notifying the mobile communications device having a shorter distance. In this instance, the communications device having the shorter distance may also receive a special message saying, for example, that "you are

outside/inside the designated range or perimeter but the center location is not within your range."

In a variation of either the first or second embodiments, one or both of the mobile communications devices may be connected to the Internet via traditional land lines. New generation phones that have both cellular and wireless capabilities, for example, may be used to receive and transmit information over a cellular network or the traditional land line telecommunications network. In addition, the user profiles may specify a communications device, phone number or other address other than one associated with itself to receive the matching and locating information transmitted by the central server. As one example, the central server may determine that the GPS-determined location of the receiving mobile communications device is a home or a work location. This information could then be used by the central server to route the transmitted information over traditional land lines, using text-to-voice conversion for example, to transmit the information over a regular telephone line or to an email address/URL that is known to be associated with that location.

In one commercial embodiment according the second embodiment of the present invention, parents may locate their children within an amusement park or monitor their

children's physical presence within the park. In this embodiment, both the parents and the children are equipped with mobile communications devices. The profile data 413 for the roving child holding first mobile communications device 17 would contain data identifying the second mobile communications device as its parent as well as geographic boundary data 415 that identifies a containment distance 440 or a boundary 450. When the child exceeds the distance 440 or exits area boundary 450, data is sent by the central server to one or both of the first and second mobile communications devices indicating that condition. In this amusement park scenario, information may be sent to a lost child's mobile communications device indicating that they have left the fixed boundary of the park, or other confinement area specified by the parent. Additionally, the child's mobile communications device may be provided with the location of the parent based on the location data 421 associated with the second mobile communications device. Using this information, the child may find the parent regardless of whether the second mobile communications device used by them is inside or outside the fixed distance or boundary area.

According to another commercial embodiment of this invention, a virtual sign-out system may be implemented in

which a number of items may be tracked within a defined physical area or volume. Once an object that contains a mobile communications device exceeds a distance from a fixed location or exits a boundary area, the central server 25
5 receives a log-out command as part of the data transmission of step 515. The logout command indicates that the object is leaving the specified area and is recorded as being removed therefrom. To complement this, the associative techniques described above with respect to the object
10 finding commercial embodiment may be used to match that item leaving the geographic boundary with a person, also carrying a mobile communications device, such that ownership of that device is now associated with that user. Thus, this embodiment may be practically applied to include the check
15 out of library books, video rentals or valuable equipment, such as work-related assets removed from the employment premises by employees.

As another commercial example of the second embodiment, a user having a mobile communications device may
20 transmit data to the central server 25 when it is within a particular distance of a fixed location so as to leave a virtual "calling card" with the server indicating that the user was there at some point in time. The data transmitted to the central server may indicate not only the user's

presence but also the interests of that user. As an example, the user's desire to acquire certain types of comics, or stamps in a pawnshop may be forwarded to the computer server. Subsequent users of the mobile

5 communications devices entering the pawn shop, i.e. those entering within a fixed distance of the shop or physically entering within the four walls of the shop, are subsequently notified upon their proximity detection by the central server that the first user was previously present. The

10 subsequent visitors would then be forwarded additional information regarding all previous visitors along with their reasons for leaving the "calling cards". In essence, this commercial embodiment is a latent version of the matchmaking embodiment described with respect to the first embodiment

15 above.

In yet another commercial embodiment according to the present invention, a flea market vendor located in a fixed booth may transmit information concerning his products to the mobile communications devices that are configured to

20 receive such data and which have indicated a preference for receiving such data. The shoppers are transmitted the location of the flea market vendor or are notified when passing within a given distance of the matching vendor sites or when entering their store.

In yet another commercial embodiment according to the present invention, an empty parking spot locator is implemented according to the present invention. The driver of an automobile having a mobile communications device would
5 send a message to the central server upon departing its parking spot (a fixed location or boundary) indicating the vacancy. Other cars within the parking lot searching for an open spot and possessing mobile communications devices would be notified of the vacant spot and the position of the spot
10 via message communication with the central server 25. More particularly, the users may be sequentially notified based on their own physical proximity to the open spot so that a rush for that open spot is avoided.

While particular embodiments and applications of
15 the invention have been shown and described, it will be obvious to those skilled in the art that the specific terms and figures are employed in a generic and descriptive sense only and not for the purposes of limiting or reducing the scope of the broader inventive aspects herein. By
20 disclosing the preferred embodiments of the present invention above, it is not intended to limit or reduce the scope of coverage for the general applicability of the present invention. Persons of skill in the art will easily

recognize the substitution of similar components and steps in the apparatus and methods of the present invention.

WE CLAIM:

1. A system for matching users of mobile communications devices comprising:
 - 5 a first mobile communications device for transmitting information defining a location of the first mobile communications device and a user receiving status;
 - a second mobile communications device for transmitting information defining a location of the second mobile
 - 10 communications device and a user receiving status; and
 - a central unit having a processor coupled to a memory, the central unit capable of communicating with the first mobile communications device over a first wireless communications link and with the second mobile
 - 15 communications device over a second wireless communications link, the memory storing a first user profile including information associated with a user of the first mobile communications device and a second user profile including information associated with a user of the second mobile
 - 20 communications device, wherein the central unit receives the user receiving statuses and the information defining the locations of the first and the second mobile communications devices and wherein the processor receives the first and the second user profiles to match information of the users and,

if there is a match and depending upon the user receiving statuses, effects the transmission to the first mobile communications device of locating information for the second mobile communications device and effects the transmission to
5 the second mobile communications device of locating information for the first mobile communications device, the locating information for each of the devices being based upon the information defining the locations of the first and the second mobile communications devices.

10

2. The system according to claim 1, wherein the first user profile and the second user profile each includes a location, area, or volume and the match of information of the users includes a match of the location, area, or volume
15 contained in the first user profile with the location of the second mobile communications device and a match of the location, area, or volume contained in the second user profile with the location of the first mobile communications device.

20

3. A system for matching users of mobile communications devices comprising:

a first mobile communications device for transmitting information defining a location of the first mobile communications device and a user receiving status;

5 a second mobile communications device for transmitting information defining a location of the second mobile communications device; and

a central unit having a processor coupled to a memory, the central unit capable of communicating with the first mobile communications device over a first wireless
10 communications link and with the second mobile communications device over a second wireless communications link, the memory storing a first user profile including information associated with a user of the first mobile communications device and a second user profile including
15 information associated with a user of the second mobile communications device, wherein the central unit receives the user receiving status from the first mobile communications device and the information defining the locations of the first and the second mobile communications devices and
20 wherein the processor receives the first and the second user profiles to match information of the users and, if there is a match and depending upon the user receiving status, effects the transmission to the first mobile communications device of locating information based upon the information

defining the locations of the first and the second mobile communications devices.

4. The system according to claim 3, wherein the first
5 user profile includes a location, area, or volume and the match of information of the users includes a match of the location, area, or volume with the location of the second mobile communications device.

10 5. The system according to claim 3 or 4, wherein the user receiving status is provided by a power-on state of the first mobile communications device.

6. A system for matching users of mobile
15 communications devices comprising:

a first mobile communications device for transmitting information defining a location of the first mobile communications device;

a second mobile communications device for transmitting
20 information defining a location of the second mobile communications device and a user sending status; and

a central unit having a processor coupled to a memory, the central unit capable of communicating with the first mobile communications device over a first wireless

communications link and with the second mobile
communications device over a second wireless communications
link, the memory storing a first user profile including
information associated with a user of the first mobile
5 communications device and a second user profile including
information associated with a user of the second mobile
communications device, wherein the central unit receives the
user sending status from the second mobile communications
device and the information defining the locations of the
10 first and the second mobile communications devices and
wherein the processor receives the first and the second user
profiles to match information of the users and, if there is
a match and depending upon the user sending status, effects
the transmission to the first mobile communications device
15 of locating information based upon the information defining
the locations of the first and the second mobile
communications devices.

7. The system according to claim 6, wherein the first
20 user profile includes a location, area, or volume and the
match of information of the users includes a match of the
location, area, or volume with the location of the second
mobile communications device.

8. The system according to claim 6 or 7, wherein the user sending status is provided by a power-on state of the second mobile communications device.

5 9. The system according to claim 3 or 6, wherein the locating information is locating information for the second mobile communications device.

10 10. The system according to claim 3 or 6, wherein the locating information is locating information for a location other than the location of either the first mobile communications device or the second mobile communications device.

15 11. The system according to any of claims 1, 3 or 6, wherein at least one of the first and the second mobile communications devices includes an input device for inputting the profile information.

20 12. The system according to any of claims 1, 3 or 6, wherein the user profile information includes characteristics of the user and preferences of the user, and the match of information of the users includes matching preferences of the first user with characteristics of the

second user and preferences of the second user with characteristics of the first user.

13. The system according to claim 12, wherein at least
5 one characteristic of at least one user and at least one preference of at least one user are selected from the group consisting of a business relationship, a social relationship, a family relationship, physical characteristics, food, clothing, an activity, sports,
10 entertainment, music, and video.

14. The system according to any of claims 1, 3 or 6, wherein at least one of the first mobile communications device and the second mobile communications device comprises
15 a cellular phone, a pager, a personal data assistant, a global positioning system receiver, a transponder, a radio, a walkie-talkie, or a wireless Internet access device.

15. The system according to any of claims 1, 3 or 6,
20 wherein the information defining the location of at least one of the first mobile communications device and the second mobile communications device includes an address, an intersection, a landmark, a marker, co-ordinates, or a telephone number.

16. The system according to any of claims 1, 3 or 6, wherein the locating information includes a map, vectors, directions, and an address.

5

17. The system according to any of claims 1, 3 or 6, wherein the locating information includes audio information, video information, textual information, or graphical information.

10

18. The system according to any of claims 1, 3 or 6, wherein the locating information is updated to track a movement of at least one of the first and the second mobile communications devices.

15

19. The system according to any of claims 1, 3 or 6, wherein the central unit transmits additional information to at least one of the first and second mobile communications devices with the locating information.

20

20. The system according to claim 19, wherein the additional information is obtained over the Internet.

21. The system according to any of claims 1, 3 or 6,
wherein the user profile of at least one of the first mobile
communications device and the second mobile communications
device includes information identifying the user of the
5 other mobile communications device.

22. A system for notifying a first user and a second
user of mobile communications devices of each other's
presence comprising:
10 a first mobile communications device for the first
user, the first mobile communications device transmitting a
location of the first user and a first user receiving
status;
a second mobile communications device for the second
15 user, the second mobile communications device transmitting a
location of the second user and a second user receiving
status; and
a central unit having a processor coupled to a
memory, the central unit capable of communicating with the
20 first mobile communications device over a first wireless
communications link and with the second mobile
communications device over a second wireless communications
link, the memory storing a profile for each of the first
user and the second user, wherein the central unit matches

the first user and the second user if the first user profile contains a preference for the second user and the second user profile contains a preference for the first user and the location of the first user and the location of the
5 second user are within a specified distance of one another, the central unit transmitting the location of the first user to the second user and the location of the second user to the first user upon making the match and depending upon the first and second user receiving statuses.

10

23. A child location system for notifying a parent comprising:

a mobile communications device for a parent;

a mobile communications device for a child, the mobile
15 communications device for the child capable of transmitting a location of the child; and

a central unit coupled to a memory, the central unit coupled to the mobile communications device for the parent over a first mobile communications link and coupled to the
20 mobile communications device for the child over a second mobile communications link, the memory storing a parent profile including information identifying the mobile communications device of the child and a child profile including information identifying the mobile communications

device of the parent, the central unit receiving the location of the child from the second mobile communications device and making a match between the mobile communications device of the parent and the mobile communications device of the child based on the parent profile and the child profile, the central unit transmitting information related to the location of the child to the mobile communications device of the parent over the first mobile communications link upon making the match when the location of the child is outside a predefined boundary.

24. the system according to claim 1 or 2, wherein the user receiving status of at least one of the first mobile communications device and the second mobile communications device is provided by a power-on state of that mobile communications device.

10 (Mobile Telecommunications System)

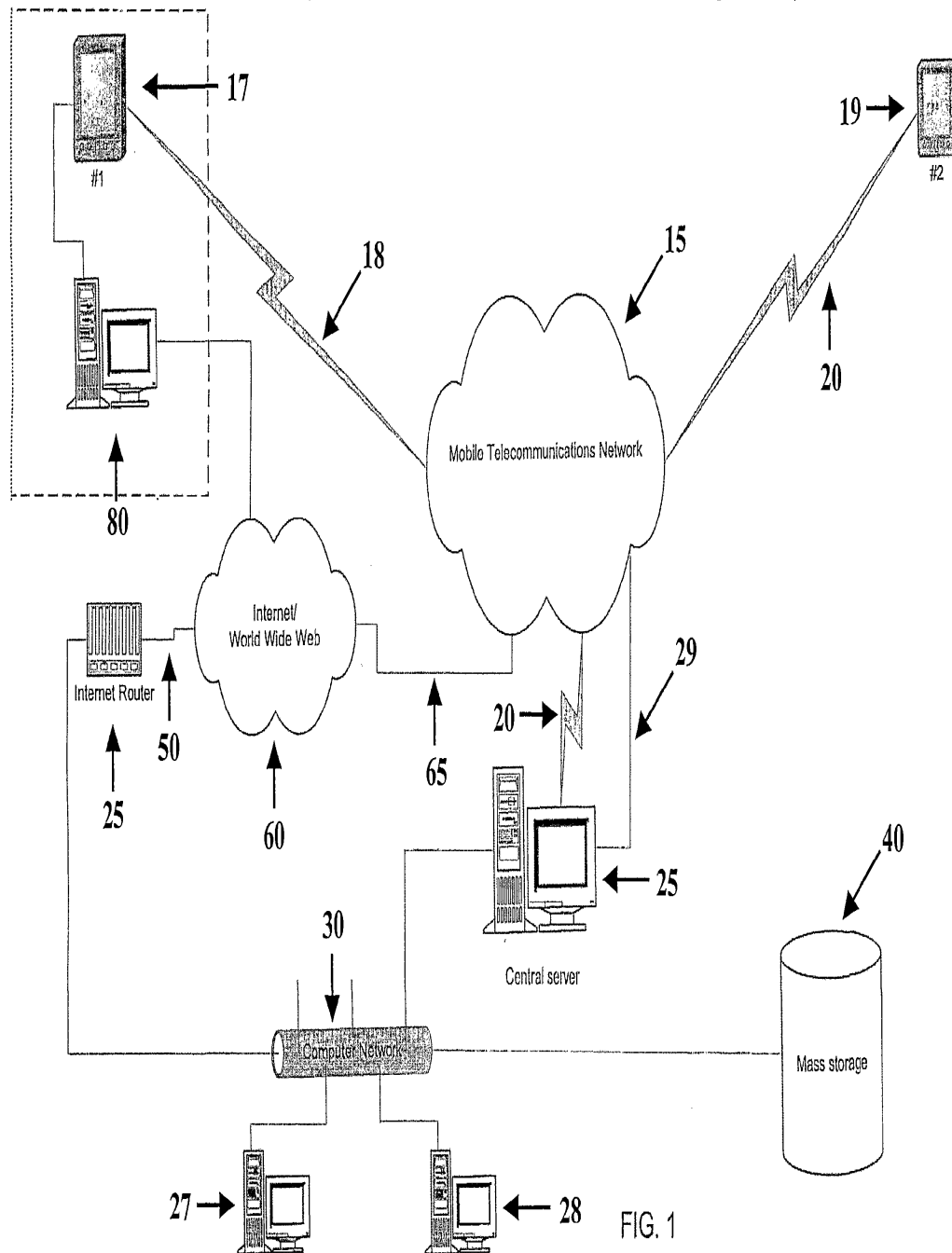


FIG. 1

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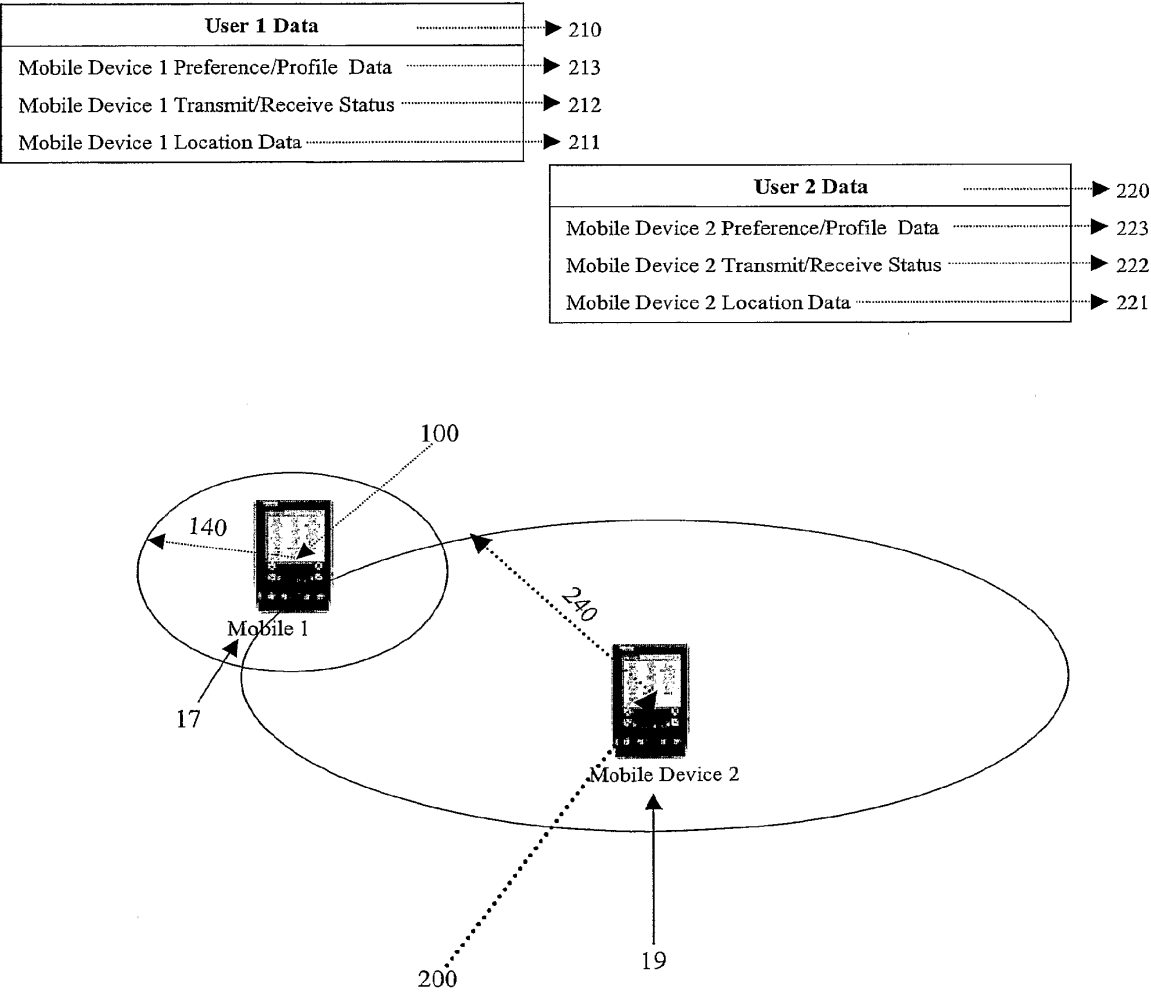


Figure 2

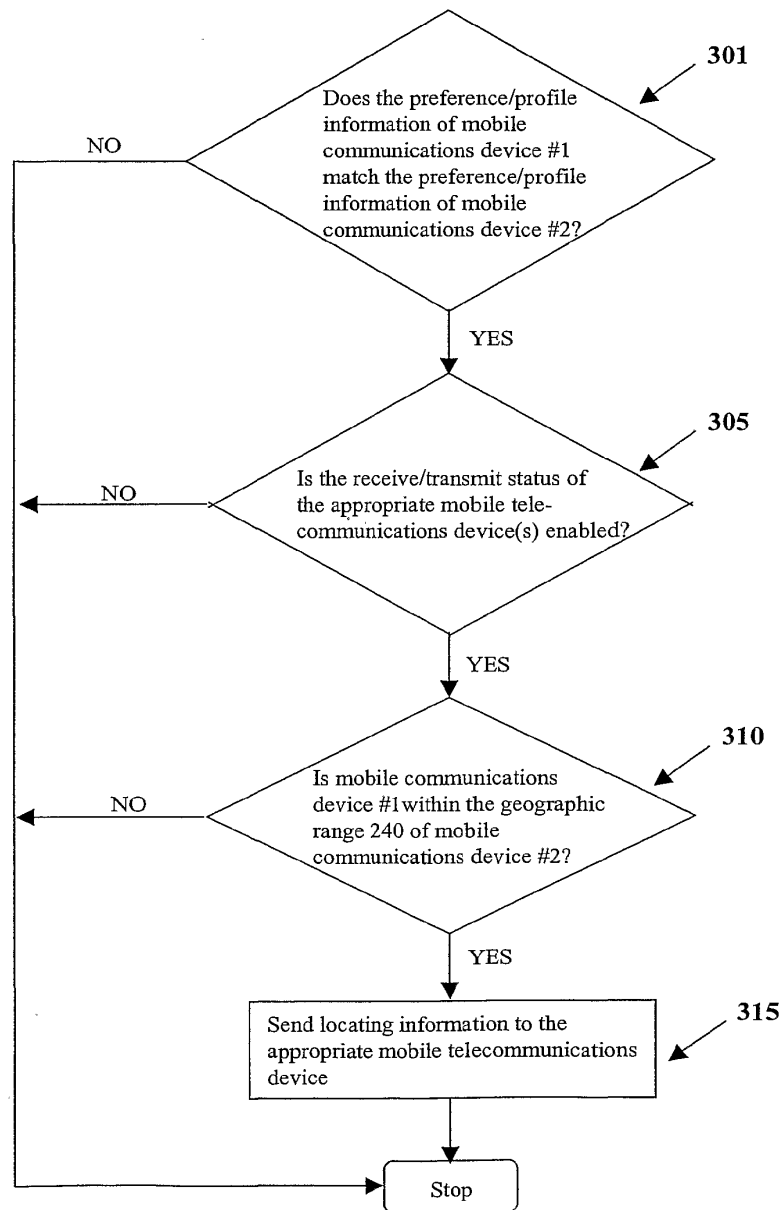


Figure 3

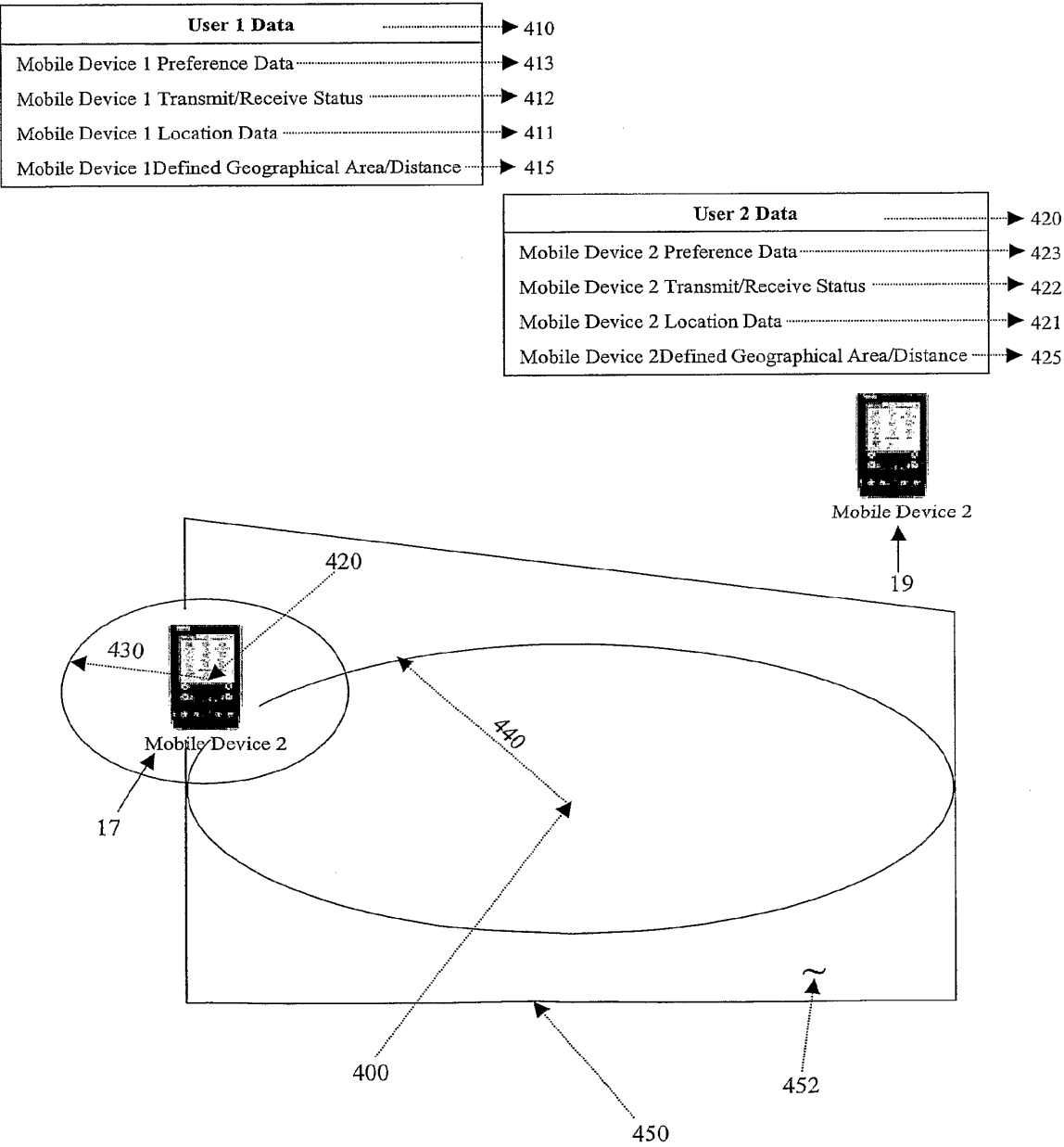


Figure 4

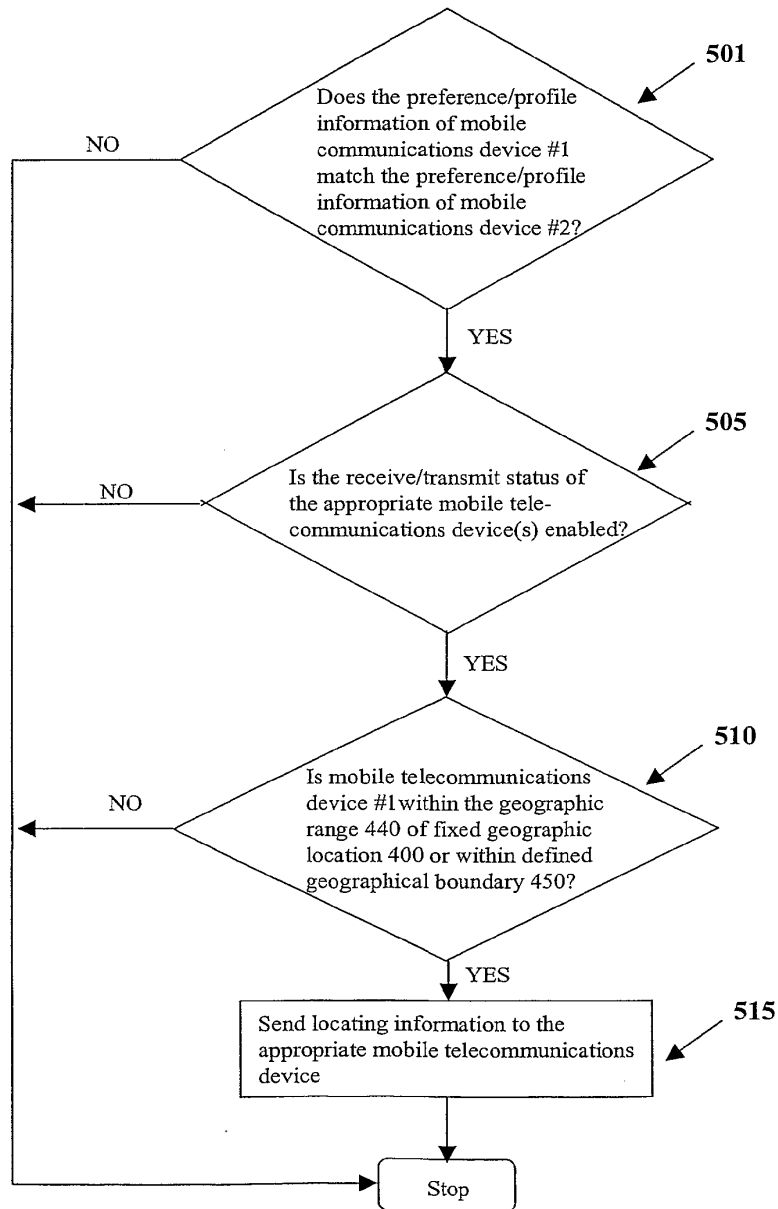


Figure 5

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/28121

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04Q 7/20; H04M 3/42; H04B 7/185

US CL : 455/456, 457, 414,415; 342/352.11

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 455/456, 457, 414,415; 342/352.11

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P	US 6,014,090 A(ROSEN et al) 11 January 2000 (11.01.2000), column 4, lines 19-60.	1-24
Y	US 5,754,939 A(HERZ et al.) 19 May 1998 (19.05.0998), column 4, lines 35-67.	1-24
Y	US 5,493,692 A(THEIMER et al) 20 February 1996 (20.02.1996), column 3, lines 5-50.	23

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks

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MENU**SEARCH****INDEX****DETAIL****JAPANESE****LEGAL
STATUS**

1 / 1

PATENT ABSTRACTS OF JAPAN

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(51)Int.Cl.

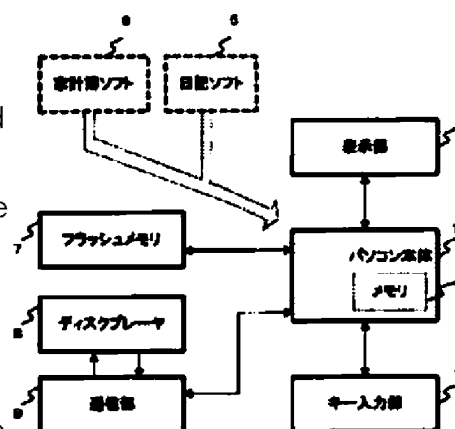
G10K 15/04**G06F 17/30****G06F 17/60**(21)Application number : **2000-392591** (71)Applicant : **KENWOOD CORP**(22)Date of filing : **25.12.2000** (72)Inventor : **NEGI TAKESHI**

(54) INFORMATION REPRODUCING APPARATUS WITH REPRODUCTION FUNCTION GIVING PRIORITY TO HISTORY

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an information reproducing apparatus with a reproduction function giving priority to history, without the need of using dedicated complicated software for the historical data of the reproduced piece of music, and thus, without the need of periodically performing the troublesome operation of managing the date, etc.

SOLUTION: A key entry part 2, a display part 3, and a reproduction history memory 4 are connected to a personal computer body 1, and a diary software 5 and a housekeeping book



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(12) 公開特許公報 (A)

(11) 特許出願公開番号

特開2002-196778

(P2002-196778A)

(43) 公開日 平成14年7月12日 (2002. 7. 12)

(51) Int.Cl. ⁷	識別記号	F I	デマゴート* (参考)
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G 0 6 F 17/30	1 1 0	G 0 6 F 17/30	1 1 0 G 5 D 1 0 8
	1 7 0		1 7 0 E
	3 4 0		3 4 0 B
17/60	1 7 6	17/60	1 7 6 C
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ND34 PP30 PQ04 PR03 PR08

UU40

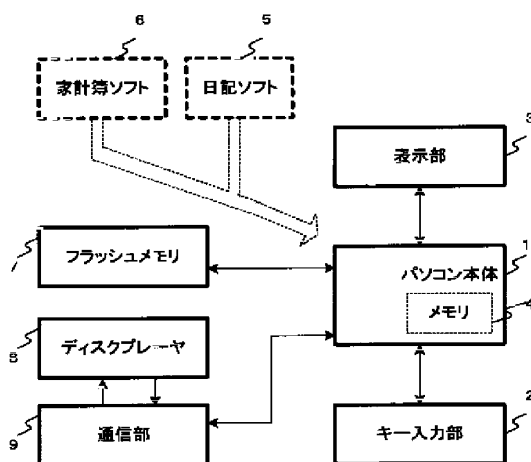
5D108 CA04 CA07 CA15 CA29

(54) 【発明の名称】 履歴優先の再生機能付き情報再生装置

(57) 【要約】

【課題】再生された曲の履歴データを専用の複雑なソフトウェアを使用することなく、日付等の管理を定期的に行なうという煩わしい操作を行なう必要のない履歴優先の再生機能付き情報再生装置を提供する。

【解決手段】パソコン本体1には、キー入力部2と表示部3と再生履歴メモリ4が接続されると共に、日記ソフト5と家計簿ソフト6が常駐的に組み込まれている。再生履歴メモリ4は、ディスクプレーヤ8とフラッシュメモリ7で曲再生が行なわれたときに、日記ソフト5と家計簿ソフト6における日時データと、再生された曲データに対応する媒体番号、再生曲番号、再生日付等の履歴データを通信部9を介して格納される。この再生履歴メモリ4から取り出された履歴データによって履歴優先の再生を行なう。



【特許請求の範囲】

【請求項1】曲データが記録されたディスクや半導体メモリ等に記録されたデータを再生し得ると共に、再生された曲データに対応する再生日付等の再生履歴データに基づいて選択された曲再生を制御装置からの指令によって行ない得る履歴優先の再生機能付き情報再生装置において、

日時に対応する複数データを処理するために前記制御装置に常駐状態で組込まれた家計簿ソフトウェア、日記ソフトウェア等の日付関連ソフトウェアと、

前記制御装置に内蔵または外付けで接続されると共に、前記情報再生装置で再生された曲データに対応する媒体番号、再生曲番号、再生日付等の履歴データを格納し得る再生履歴メモリと、

前記再生履歴メモリに格納された履歴データから任意に取り出した履歴データに対応する曲を再生するように前記情報再生装置を制御する履歴再生制御手段とを具備することを特徴とする履歴優先の再生機能付き情報再生装置。

【請求項2】前記制御装置は、前記日付関連ソフトウェアを動作させ得るパソコンで構成することを特徴とする請求項1に記載の履歴優先の再生機能付き情報再生装置。

【請求項3】前記制御装置は、前記日付関連ソフトウェアを動作させ得る電子手帳等の携帯型端末機器で構成することを特徴とする請求項1に記載の履歴優先の再生機能付き情報再生装置。

【請求項4】前記履歴再生制御手段は、前記制御装置と前記情報再生装置との間に介在された通信手段を含んで構成することを特徴とする請求項1ないし請求項3のいずれかに記載の履歴優先の再生機能付き情報再生装置。

【請求項5】前記通信手段は、USB規格、IEEE1394規格等の有線通信手段を含んで構成することを特徴とする請求項4に記載の履歴優先の再生機能付き情報再生装置。

【請求項6】前記通信手段は、赤外線、電波等の無線通信手段を含んで構成することを特徴とする請求項4に記載の履歴優先の再生機能付き情報再生装置。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】本発明は、履歴優先の再生機能付き情報再生装置に関し、特に、曲データが記録されたディスクや半導体メモリ等に記録されたデータを再生し得ると共に、再生された曲データに対応する再生日付等の再生履歴データに基づいて選択された曲再生を制御装置からの指令によって行ない得る履歴優先の再生機能付き情報再生装置の改良に関する。

【0002】

【従来の技術】一般に、このような情報再生装置は、複数の音楽曲が記録されたCDやMD等の光ディスクを再

生して音声信号を得たり、フラッシュメモリ等の半導体メモリに格納された複数の音楽曲を読み出すことによって曲再生を行なうことができ、この場合には、任意に選択された曲を選択したりランダム再生する機能を働かせて再生させることができる。

【0003】また、情報再生装置に有線または無線による通信手段を介してパソコン等のコンピュータを接続し、ユーザーが再生した曲の再生頻度の統計を取り、この履歴データを再生履歴メモリに格納し、ユーザーが日頃からよく聴いている曲を優先して再生するときには再生履歴メモリから履歴データを取り出して情報再生装置を制御して履歴優先の再生を行なわせる機能を持たせた情報再生装置がある。

【0004】この場合、コンピュータに接続された再生履歴メモリへ格納されるデータは、再生日時データ、再生された曲データに対応する媒体番号、再生曲番号等の履歴データであって、このような履歴データを得るためには、情報再生装置の側にカレンダー機能を持たせたり、再生履歴管理用の特別のプログラムをコンピュータに常駐状態で組み込むことによって選択曲の再生を実現している。

【0005】

【発明が解決しようとする課題】従来の情報再生装置は、再生履歴を得るために専用のソフトウェアを常駐的に設けているために、コンピュータの実稼働率が上昇してしまうと共に、毎日等の定期的な管理操作が必要とされ使い勝手が悪いという問題がある。

【0006】そこで、本発明の目的は、情報再生装置によって再生された曲の履歴データを専用の複雑なソフトウェアを使用することなく、日付等の管理を定期的に行なうという煩わしい操作を行なう必要のない履歴優先の再生機能付き情報再生装置を提供することにある。

【0007】

【課題を解決するための手段】前記課題を解決するために、本発明による履歴優先の再生機能付き情報再生装置は、次に記載するような特徴的な構成を採用している。

【0008】(1)曲データが記録されたディスクや半導体メモリ等に記録されたデータを再生し得ると共に、再生された曲データに対応する再生日付等の再生履歴データに基づいて選択された曲再生を制御装置からの指令によって行ない得る履歴優先の再生機能付き情報再生装置において、日時に対応する複数データを処理するために前記制御装置に常駐状態で組込まれた家計簿ソフトウェア、日記ソフトウェア等の日付関連ソフトウェアと、前記制御装置に内蔵または外付けで接続されると共に、前記情報再生装置で再生された曲データに対応する媒体番号、再生曲番号、再生日付等の履歴データを格納し得る再生履歴メモリと、前記再生履歴メモリに格納された履歴データから任意に取り出した履歴データに対応する曲を再生するように前記情報再生装置を制御する履歴再

生制御手段とを具備する履歴優先の再生機能付き情報再生装置。

【0009】(2)前記(1)の制御装置は、前記日付関連ソフトウェアが動作し得るパソコンで構成する履歴優先の再生機能付き情報再生装置。

【0010】(3)前記(1)の制御装置は、前記日付関連ソフトウェアが動作し得る電子手帳等の携帯型端末機器で構成する履歴優先の再生機能付き情報再生装置。

【0011】(4)前記(1)ないし前記(3)のいずれかの履歴再生制御手段は、前記制御装置と前記情報再生装置との間に介在された通信手段を含んで構成する履歴優先の再生機能付き情報再生装置。

【0012】(5)前記(4)の通信手段は、USB規格、IEEE1394規格等の有線通信手段を含んで構成する履歴優先の再生機能付き情報再生装置。

【0013】(6)前記(4)の通信手段は、赤外線、電波等の無線通信手段を含んで構成する履歴優先の再生機能付き情報再生装置。

【0014】

【発明の実施の形態】以下、本発明の実施の形態について図面を用いて詳細に説明する。本形態は、バンク部に複数枚のCDとMDが格納され、この中から任意のディスクを取り出して特定の曲トラックの再生することができると共に、半導体メモリに格納された複数曲の中から任意の曲を選択して再生することができる情報再生装置に本発明を適用したものであり、この情報再生装置を制御するための制御装置としてパソコン本体1が備えられている。

【0015】このパソコン本体1には、各種動作指令を与えるためのキー入力部2が接続されると共に、表示部3が接続され、さらに再生履歴メモリ4が接続されると共に、日記ソフト5と家計簿ソフト6が常駐的に組み込まれている。

【0016】この日記ソフト5と家計簿ソフト6は、日付に対応する複数のデータを処理するためにパソコン本体1にインストールされると共に常駐される日付関連ソフトウェアであって、平生は日々が発生する家計簿データや日記データをキー入力部2を用いて入力することができ、必要に応じて家計簿集計や日記検索等を行なうことができる。

【0017】再生履歴メモリ4は、パソコン本体1に内蔵して接続されると共に、情報再生装置(ディスクプレーヤ8とフラッシュメモリ7で要部が構成される)で曲再生が行なわれたときに、日記ソフト5と家計簿ソフト6における日時データと、再生された曲データに対応する媒体番号、再生曲番号、再生日付等の履歴データを通信部9を介して格納され得ると共に、日記ソフト5または家計簿ソフト6によって作成されるデータも合わせて格納されるように構成される。

【0018】パソコン本体1に接続されたフラッシュメモ

リ7には、複数の曲データがMP3規格等でデータ圧縮された状態で格納され、パソコン本体1からの制御で任意の曲を選択して再生することができると共に、再生している曲の媒体番号、再生曲番号、再生日付等の履歴データを再生履歴メモリ4に格納し得るように構成される。

【0019】パソコン本体1に接続される通信部9は、USB規格、IEEE1394規格、RS232C規格等による通信でパソコン本体1とディスクプレーヤ8との間のデータ送受を有線通信で行なうもので、パソコン本体1と通信部9による協働作用によって、再生履歴メモリ4に格納された履歴データから任意に取り出した履歴データ対応する曲を再生するようにディスクプレーヤ8を制御する履歴再生制御手段を構成し、この履歴再生制御手段には、フラッシュメモリ7に格納された曲データの中から任意のものを選択する機能が含まれている。

【0020】前述の再生履歴メモリ4に格納されるデータの内容は、図2に概念的に示すように「日付データ」と「家計簿と日記のデータ」と「再生履歴データ」の3種を含んで格納され、「日付データ」は、曲再生された日、例えば西暦の年月日である2001/01/10とされ、この日における「家計簿と日記のデータ」が格納されると共に、再生履歴データが格納される。

【0021】この再生履歴データは、メディア番号とトラック番号と媒体種の3種であり、媒体種のAはディスクプレーヤ8でCDを再生したときに対応し、BはMD再生に対応し、Cはフラッシュメモリ7を再生したときに対応する。メディア番号は複数あるCD、MDまたはフラッシュメモリ7のいずれか一種の中の番号を特定するもので、トラック番号は再生されたメディアの中の再生されたトラックを特定する番号である。

【0022】このような再生履歴データは、再生が行なわれる毎にデータ格納され、西暦2001年1月10日に媒体種A(CD)がメディア番号1のトラック5を再生したという情報が格納され、以下同様にディスクプレーヤ8またはフラッシュメモリ7による再生が行なわれる度にデータ格納が行なわれる。

【0023】このようにして再生履歴メモリ4へのデータ格納が蓄積された後に、履歴優先の再生を行なわせるための指令がキー入力部2によってなされると、パソコン本体1がその指令に基いて作動開始し、再生履歴メモリ4の格納内容の中の再生履歴データの項目を検索し、過去に再生された媒体種を選択するためにディスクプレーヤ8またはフラッシュメモリ7を制御し該当するトラック番号を再生開始させる。

【0024】このときの履歴優先再生の形態としては、過去に再生した曲トラックを再生する場合と、過去の再生回数の多いものの再生の場合と、特定のキーワードに基づく、例えば媒体種A(CD)のみを対象とする履歴再

生する場合があり、再生履歴データに曲のアーティストデータを含ませて再生履歴メモリ4に格納させた場合には特定アーティストの名称をキーワードとする履歴再生を行なうことができる。

【0025】なお、前述例ではディスクプレーヤ8とフラッシュメモリ7によって情報再生装置が構成されているが、本発明はこれに限定されることなく、CD再生のみであったり、MD再生のみであってもよく、磁気テープ等の媒体の再生であってもよく、音声再生のみならず画像再生やカラオケ用の演奏や画像であってもよいことは勿論であり、再生媒体の種類は全くの任意に選定することができる。

【0026】また、制御装置は、日記ソフト5や家計簿ソフト6のような日付関連ソフトウェアが動作し得るパソコンで構成する場合のみならず、電子手帳等の携帯型端末機器で構成してもよく、履歴再生制御手段は、パソコン本体1で構成される制御装置とフラッシュメモリ7とディスクプレーヤ8で構成される情報再生装置との間に介在された通信手段を含んで構成してもよい。

【0027】この通信手段は、USB規格、IEEE1394規格等の有線通信手段を含んで構成したり、赤外線、電波等の無線通信手段を含んで構成するようにしてもよい。

【0028】さらに、日付関連ソフトウェアとしては日記ソフト5や家計簿ソフト6で構成したり、設定管理ソフトウェアや営業管理ソフトウェアで構成するようにしてもよい。

【0029】

【発明の効果】以上の説明で明らかなように、本発明に

よる履歴優先の再生機能付き情報再生装置は、再生履歴を得るために専用のソフトウェアを常駐的に設けることなく、既存の日記ソフト等の日付関連ソフトウェアを流用して用いているために、コンピュータの実稼働率が大きく上昇することなく、毎日等の定期的な管理操作が必要とされず使い勝手が良好になる。

【0030】従って、本発明による履歴優先の再生機能付き情報再生装置は、情報再生装置によって再生された曲の履歴データを専用の複雑なソフトウェアを使用することなく、日付等の管理を定期的に行なうという煩わしい操作を行なう必要のない情報再生装置を提供することができる。

【図面の簡単な説明】

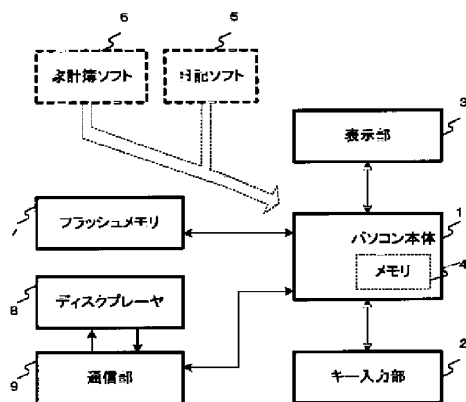
【図1】本発明の実施の形態による履歴優先の再生機能付き情報再生装置の回路構成を示すブロック回路図である。

【図2】 図1中に示される再生履歴メモリへのデータ格納内容を概念的に示す図である。

【符号の説明】

- 1 パソコン本体
- 2 キー入力部
- 3 表示部
- 4 再生履歴メモリ
- 5 日記ソフト
- 6 家計簿ソフト
- 7 フラッシュメモリ
- 8 ディスクプレーヤ
- 9 通信部

【図1】



【図2】

日付データ	家計簿や日記のデータ	再生履歴データ		
		メディアNo.	トラックNo.	媒体種
2001/01/10		1	5	A
2001/01/10		1	5	A
2001/01/11		2	1	B
2001/01/11		4	1	C



Espacenet

Bibliographic data: KR 20020007934 (A)

ELECTRONIC ALBUM SYSTEM FOR WIRE/WIRELESS INTERNET DIARY

Publication date: 2002-01-29
Inventor(s): PARK JONG DEUK [KR] +
Applicant(s): PARK JONG DEUK [KR] +
Classification:
 - international: G06F15/02; (IPC1-7): G06F15/02
 - European:
Application number: KR20000042073 20000719
Priority number(s): KR20000042073 20000719

Abstract of KR 20020007934 (A)

PURPOSE: An electronic album system for a wire/wireless Internet diary is provided to open a homepage for using various kinds of diaries on the Internet and to develop a web browser capable of performing various kinds of diary functions and to convert diaries used by persons into an electronic album for storing the contents thereof permanently. **CONSTITUTION:** A subscriber information identification input unit enables a user to identify registered information and to receive subscriber information. A music database and an image database including various kinds of photographs, image files, and moving pictures are constructed. An information input unit receives utility information according to persons who used various diaries. A data input area is provided for inputting contents information of various diaries as a household account book and a vehicle account book. A storing unit is provided for storing contents of various diaries. In addition, a sort code area, a search code area, a master area for appending, modifying, or managing diaries, and a classification code area are provided. A transmission calling unit executes and calls various kinds of diaries, and the contents thereof are recorded in a CD player, an MP3 player, or a DVD player through an external device and a communication line.

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(57)요 약

본 발명은 유,무선 인터넷다이어리용 전자앨범로서 인터넷상에
서 일기,육아일기,신혼일기,가계부,차계부,일정관리,주소록,명함록
등 개인이 노트에 써서 보관하는 개인의 다이어리를 유선,무선을 통
해 인터넷에 접속하여 홈페이지 상에서 사용하고 사용한 개인의 다
이아리를 전자앨범으로 제작하여 수익구조를 가지는 특징이 있다

키워드 : 다이어리,일기, 육아일기,신혼일기,가계부,차계부,주소록,
명함록,전자앨범,

청구의 범위

청구항 1

유,무선 인터넷 다이아리 용 전자앨범 시스템

명세서

발명의 명칭

유,무선 인터넷 다이아리용 전자앨범 시스템{ }

발명의 상세한 설명

[0001] [도면의 간단한 설명]

[0002] <용어의 설명>

[0003] 본발명에서 인터넷다이아리:인터넷의 홈페이지에 접속하여

[0004] 일기,음악일기,신혼일기,연애일기 등의

[0005] 개인생활을 기록하는 각종일기와

[0006] 가계부, 차계부, 일정관리,주소록

[0007] 명함록,를 사용할수 있는인터넷상의

[0008] 다이아리를 통칭한다

[0009] 본발명에서 전자앨범:상기의 다이아리를 저장 보관이 가능한

[0010] CD플레이어,MP3플레이어,DVD플레이어

[0011] 등의 기록매체를 통해 기록되어진

[0012] CD,MP3,DVD를 통칭한다

[0013] 본 발명은 사람들이 일기,음악일기,신혼일기,연애일기 등의 개인생활을 기록하는 각종일기와 가계부,차계부,일정관리,주소록,명함록을 노트에 기록하여야하고 또 각종의 다이아리를 따로따로 써서 보관하는 불편과 보관의 어려움으로 인한 훼손될수 있고 각종 다이아리를 쓰기위해서 가지고 다녀야 하는 불편이 있다 그러나 유선,무선 인터넷을 통해서 다이아리 노트를 지니고 다니지 않고 인터넷이 접속되는 모든 장소에서 시간과 공간을 벗어나 인터넷 다이아리를 사용할수 있다. 아울러 사용하는 인터넷 다이아리를 전자앨범으로 제작하여 영구히 보관할수 있다

[0014] 본 발명은 유,무선 인터넷 다이아리용 전자앨범 시스템 으로서 종래의 다이아리중에 일기는 노트에 문자를 쓰는 이외에 그림을 그리는 수준이고 음악을 듣기 위해서는 음악을 재생하기 위한 카세트등의 매체에 테이프등을 구입하여 들을 수밖에 없으나 인터넷 다이아리는 인터넷 홈페이지상에서 음악을 들으며 일기를 쓰고 자기의 사진이나 각종사진,이미지파일,동영상

[0015] 자신이 쓴 일기를 남에게 보여주기 위해서는 복사를 한다든지 일기장을 통째로 주어야 하거나 인터넷 일기는 언제든지 타인에게 보여 주고 싶은 내용만 공개 하여 볼수있게 할수 있고 그내용만 파일 형태로 저장하여 누구에게나 인터넷 카드 형태로 전자메일을 통해 줄수가 있고

- [0016] 상기의 일기외에 가계부,차계부 ,주소록,명함록을 가지고 다녀야 하는 불편과 그로 인한 분실,훼손 우려가 많다
- [0017] 노트에서 각 개인이 각종 지출,수입,주소등의 통계를 원하는 항목별로 보기가 어렵고 뽑아 내기도 힘들다
- [0018] 그러나 인터넷 다이나리는 가지고 다니지 않으므로 분실과 훼손의 우려 없이 인터넷이 접속 되는 모든곳에서 사용이 가능하고 각종 통계나 주소찾기,명함찾기가 항목별로 간단하게 볼수있으며 전자앨범으로 영구히 보관 할수 있다
- [0019] 본 발명은 상기와 같은 문제점을 해소하기 위한 유,무선 인터넷 다이나리 용 전자앨범 시스템 으로서 인터넷 상에서 각종 다이나리를 사용 하기위해 인터넷상의 홈페이지를 개설하고 각종 다이나리 기능이 가능한 웹브라우저를 개발하고 사람들이 사용한 다이나리를 전자앨범으로 이식하여 영구히 보관할수 있도록 함으로써 본 발명의 목적을 달성하는데 있는것이다
- [0020] 유선,무선 인터넷으로 회원에 가입한 인터넷사용자가 등록한 정보를 식별하여가입자 정보를 받아들이는 가입자 정보식별 입력부와 음악파일이 존재하는 음악 데이터베이스 와 각종 사진,이미지파일,동영상이 들어있는 이미지 데이터 베이스를 구축하고 가입자들이 육아일기,신혼일기,일기,가계부,차계부,주소록,명함록 등의 각종 다이나리를 사용한 개인별 사용정보를 받아들이는 정보 입력부와 육아일기,신혼일기등의 각종일기,가계부,차계부등,주소록,명함록,일정관리록 의 각종다이나리 내용 정보를 각각 입력하는 자료입력영역과 저장하는 저장부를 구비하고 내용,기간,년월일별로 데이터를 관리, 소트할 수 있는 소트코드영역과 이를 검색할 수 있는 검색코드영역과 상기 다이나리를 수정하거나 추가또는 기타의 관리를 할 수 있는 마스터 영역과 회원들이 사용한 ,일기,육아일기,신혼일기,가계부,차계부,주소록,명함록을 쓴 횟수,분량,내용,각종 항목별 적요 들의 분류코드영역과 분류코드영역에서 정보를 분류검색하여 상기의 각종 다이나리의 항목별 인덱스를 상기 저장부에서 추출하여 디스플레이하고,각다이나리 내용을 인터넷 카드,편지로 만들기 위한 마스터영역에서 개인별 카드,편지의 전송을 위한 외부장치와 통신선로를 통해 전송하는 전송용 데이터 베이스에서 추출하는 검색 코드를 통해 보내고자 하는 메일 주소로 전송하면 유선,무선으로 인터넷에 접속하여 디스플레이하여 볼수 있는 웹브라우저가 존재하는 홈페이지와 상기 홈페이지에서의 각종 다이나리를 전자앨범으로 제작하는 과정에 있어서는 각 회원이 사용한 다이나리의 항목별,일자별,로 각개인의 정보가 들어있는 데이터베이스에서 가져와 각각의 개인별 전자앨범이식에 필요한 사진,그림,동영상을 검색하는 검색코드와 각다이나리의 내용이 수록된 지장 데이터베이스에서 추출된 데이터를 개인별 데이터베이스로 새로 구축하고 각개인별 데이터로 컨버전한다
- [0021] 상기의 컨버전 데이터에 해당하는 인덱스를 상기 저장부에서 추출하여 수신된 상기 정보를각각의 회원들이 원하는 각종 다이나리 종류별로 디스플레이하고 상기 각종 다이나리를 전송 호출부에서 실행하여 호출한뒤 외부장치와 통신선로를 통해 CD플레이어,MP3플레이어,DVD플레이어등의 기록매체로 기록 하여 CD,MP3,DVD로 보관한다
- [0022] 상기에서 상술한바와 같이 본발명은 회원에 가입한 사람들이 일기,육아일기,신혼일기,연애일기 등의 개인생활을 기록하는 각종일기와 가계부,차계부,일정관리,주소록,명함록을 노트에 기록하고 지니고 다녀야 하는 불편과 보관의 어려움과 분실,훼손을 막고 유선,무선 인터넷을 통해서 다이나리 노트를 지니고 다니지 않고 인터넷이 접속되는 모든 장소에서 시간과 공간을 벗어나 음악을 들으며 자기사진이나 각종동영상,이미지파일 등을 각각의 다이나리에 저장하며 인터넷 다이나리에 생활을 기록할수 있다. 아울러 사용한 인터넷 다이나리를 전자앨범으로 제작하여 영구히 보관할수 있다

Electronic Acknowledgement Receipt	
EFS ID:	17191657
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	71739
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1	Information Disclosure Statement (IDS) Form (SB08)	1116-147-RE4_IDS_9-30-13.pdf	613794 4cd924545889512c80ef1942e2b4a1bc634eae67	no	8
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2	Foreign Reference	EP2312871A1.pdf	1312267	no	21
			0b52f49a01a1682574d9f42fcb6a87382ada50e		
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3	Foreign Reference	EP1323318.pdf	327020	no	2
			dc5200b4bbe8c31d7d248c27b72c6f6c651de556		
Warnings:					
Information:					
4	Foreign Reference	WO0221864A1.pdf	2218893	no	65
			138f73c1fe990ae233d22e96c27815c538d2296d		
Warnings:					
Information:					
5	Foreign Reference	JP2002196778.pdf	257795	no	5
			faa8649603fb02ae8d42cb474f7b787dc53c1c32		
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Information:					
6	Foreign Reference	KR20020007934.pdf	199813	no	5
			9b2f4194474338a8401813102a7b0fb19de4f549		
Warnings:					
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7	Other Reference-Patent/App/Search documents	13893992_OA_9-24-13.pdf	673842	no	19
			e0b4d21c13096a3dc298f9b4c627b36c801854a2		
Warnings:					
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8	Non Patent Literature	Rhapsody.pdf	53787	no	1
			896039bfc4a37c4121705138d13c731344449f1b		
Warnings:					
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9	Other Reference-Patent/App/Search documents	09841475_OA_8-12-04.pdf	405308	no	12
			ab0e0a26fa9ce97c09d397f6790dc0365256fabcc		
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10	Other Reference-Patent/App/Search documents	09841475_OAF_6-8-05.pdf	520479	no	15
			3cf32eba43452f00e635fd042e1f675fe9bdfbad		
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11	Other Reference-Patent/App/Search documents	09841475_NOA_2-28-06.pdf	332414	no	7
			e7ea35679cfc48496b0cce809e9971527a492fee		
Warnings:					
Information:					
12	Other Reference-Patent/App/Search documents	12172518_NOA_3-5-10.pdf	733293	no	17
			3aa3a3dfbb5f2f8de0eebf23cff0f47264d91348		
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13	Other Reference-Patent/App/Search documents	12820579_OA_5-23-11.pdf	630282	no	19
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14	Other Reference-Patent/App/Search documents	12820579_OAF_6-18-12.pdf	1941753	no	27
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Warnings:					
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15	Other Reference-Patent/App/Search documents	12820579_AA_10-19-12.pdf	258029	no	3
			785940eb80a6313246ced64da8f45cc8d6793b01		
Warnings:					
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16	Other Reference-Patent/App/Search documents	12820579_NOA_2-14-13.pdf	519504	no	11
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/894,009	05/14/2013	Darren P. Briggs	1116-147-RE4	4762
71739 7590 11/12/2013 Concert Technology Corporation 5400 Trinity Road, Suite 303 Raleigh, NC 27607			EXAMINER LIN, WEN TAI	
			ART UNIT 2454	PAPER NUMBER
			MAIL DATE 11/12/2013	DELIVERY MODE PAPERPAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 13/894,009	Applicant(s) BRIGGS ET AL.	
	Examiner WEN-TAI LIN	Art Unit 2454	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on 5/14/2013.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.

3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5) ☒ Claim(s) 1-108 is/are pending in the application.
5a) Of the above claim(s) 87-94 and 97-107 is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☒ Claim(s) 32-44, 47-57, 59, 60, 68-75, 77-79, 81-86, 95, 96 and 108 is/are rejected.

8) ☒ Claim(s) 45, 46, 58, 61-67, 76 and 80 is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10) ☐ The specification is objected to by the Examiner.

11) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some * c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

4) ☐ Other: _____.

Election/Restrictions

The inventions are distinct, each from the other because of the following reasons:

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 32-86, 95-96 and 108, drawn to means or steps for monitoring of geographic location when a location-aware device visits different geographic locations, classified in class 455, subclass 456.1.
 - II. Claims 87-94 and 97-107, drawn to means or steps for collecting user's computer usage experience and assign access right to the collected data, classified in class 709, subclass 224.
1. Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention II has separate utility such as tracking, collecting and sharing computer usage regarding information or data entered by the user. See MPEP 806.05(d).
 2. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

3. A telephone call was made to Applicant's representative, Mr. Chad Bevin, at (919) 238-2331 on November 6, 2013 to request an oral election to the above restriction requirement. Mr. Bevin elected invention I for examination. Applicant is reminded to canceled all the non-elected claims.

DETAILED ACTION

4. Claims 32-86, 95-96 and 108 are presented for examination.
5. The present application is being examined under the pre-AIA first to invent provisions.
6. Claims 69, 81 and 83 are objected to because the term "client-side application" is not found in Applicant's original disclosure. The closest term in the specification is "client software" at col. 17, lines 45-49, wherein Applicant teaches that registration may involve downloading client software to run on the user's system. Nowhere else indicates how the downloaded client software (or client-side application) operates. Thus although there are a number of interactions a user may perform engaging local resources (e.g., display, keyboard, and browser), some major functionalities may be provided by remote servers, instead of local applications. For example, due to the lack of clarity in Applicant's specification, the operation steps described in claim 32 such as: registration, data collection and tracking, categorizing shared data, defining access right, and reporting collected data to a tracking server are not necessarily limited to client-side

applications because one may simply rely on a browser to perform all these steps.

It is noted that the term “client-side application” first appeared in the amended final claim set in application no. 09/841475, now patent no. 7080139. The word “client-side” was added to clarify that the user entered computer usage data was collected and tracked by a client-side application. The examiner did not object the changes because, depending on how one interprets “collection” and “tracking”, a browser is a client-side application that involves these activities.

However, in this instant application claim 69 directly describes the operation of a client-side application as a featured subject matter; claim 81 includes “offering up the client-side application context sensitive information ...”; and claim 83 includes “presenting information to the client-side application based on information received ...”. The client-side application has thus become a new matter in the claims. Applicant is requested to clarify and/or correct in response to this office action.

7. Claims 71 and 92 are objected to because the term "the user" lacks antecedent basis.

Claim Rejections – 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

8. Claims 57, 59-60 and 108 are rejected under 35 U.S.C. 102(e) as being anticipated by Demello et al. [U.S. PGPub 20010036224].
9. As to claim 57 and 108, Demello discloses a non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration [e.g., para 0005] server to:
 - enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared [e.g., para 0001: "Herein, targeted data includes advertising, alerts, messages, images and any other type of information or content that may be targeted to a class or group of persons, that may be delivered in text, video or graphic formats and also includes applications."];
 - enable definition of access rights for the one or more other users to enable access to the visited geographic location data [e.g., 0090-0091, 0051: "The system establishes a user privacy management frame work that enables differentiated access to the user related Information ... "];

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application [e.g., 0084: “The registration procedure requires active wireless transceivers to report their location in the wireless network, indicating their current whereabouts.”]; and report information indicating at least a portion of the visited geographic location data to a tracking server [e.g., para 0084-0085, 0123].

10. As to claim 59, Demello discloses the computer-readable medium of claim 57 wherein in order to collect the visited geographic location data, the software further instructs the controller of the location-aware device to automatically and passively record the data defining the geographic locations visited by the location-aware device [e.g., 0085].

11. As to claim 60, Demello discloses the computer-readable medium of claim 59 wherein in order to report the information indicating the at least a portion of the visited geographic location data, the software further instructs the controller of the location-aware device to automatically and passively report the information indicating the at least a portion of the visited geographic location data [e.g., 0039].

Claim Rejections – 35 USC § 103

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject

Art Unit: 2454

matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claims 32-42, 68-75, 77-79, 81-85 and 95-96 are rejected under 35 U.S.C.

103(a) as being unpatentable over Watanabe et al. (hereafter "Watanabe") [U.S.

Pat. No. 6578072].

13. As to claim 32, Watanabe teaches the invention substantially as claimed

including: a computer-implemented method of sharing computer usage experiences, including:

sending registration information of a user to a registration server to collect and share visited geographic location data [e.g., image taken at various geographical landmarks during a trip] using a client-side application while visiting geographic locations with a location-aware device [e.g., a camera] that records the visited geographic locations [e.g., Abstract; col. 2, lines 24-67; i.e., images taken during a trip (to certain geographic locations), wherein the sending, registering, collecting of images all involve the use of client-side application];

enabling access to one or more lists of other users to identify one or more buddies with whom the visited geographic location data may be shared [e.g., col. 2, lines 49-54; Figs. 3-5];

enabling definition of rights of the one or more buddies to access the visited geographic location data [e.g., col. 4, lines 20-27; col. 7, lines 8-59]; and

sending information indicating at least a portion of the visited geographic

location data to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights [e.g., Fig. 6; col. 8, lines 38-53].

Although Watanabe does not specifically teach the list of other users being allowed to access the visited geographic location data includes messaging buddy lists, it is obvious, however, that messaging buddies are one important group of people that the user has keen relationship with. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have shared some of the pictures to the user's messaging buddies because it's the user's choice to do so.

14. As to claim 33 and 35, Watanabe does not specifically teach that the visited geographic location data comprises the visited geographic locations and assignment of a rating and/or emoticon to the visited geographic locations. However, Watanabe teaches that each image is associated with an owner's comment field and a free comment area for viewers [e.g., Fig. 8; col. 4, lines 4-9]. It is typical that people tend to express their preferences about the pictures they see by commenting which one is good or best in their comments or by way of assigning the popular emoticon. As such, it is obvious to an ordinary skilled artisan to extend the use of Watanabe's comment fields to encourage assigning rating or emoticon as token to textual comment to the posted pictures, each representing a geographic location containing all sort of information in an image,

because the comment area provides a statistical platform for free expression and assigning rating and/or emoticon is just one of the options.

15. As to claim 34, Watanabe discloses the method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a comment on the visited geographic locations [e.g., Fig. 8; col. 4, lines 4-9].

16. As to claim 36, Watanabe is silent about enabling receipt and display of advertising information.

However, since the posted pictures are displayed on an Internet website, a browser has the capability of displaying whatever advertisement (including banners) is included in a webpage a user is viewing. Thus, it is obvious to an ordinary skilled artisan that Watanabe's website may optionally display its owner's advertisement along with the posted pictures because it attracts more customers to use the same photo processing & services.

17. As to claims 37-42, 68-73, since the features of these claims can also be found in claims 32-34 and 36, they are rejected for the same reasons set forth in the rejection of claims 32-34 and 36 above.

18. As to claim 83, Watanabe discloses the method of claim 73, further comprising:
presenting information to the client-side application based on information received regarding the geographic locations visited by the location-aware device [e.g., Fig. 3].

19. As to claim 84, Watanabe discloses the method of claim 73, further comprising:

downloading client software to the location-aware device [i.e., inherently any device that is able to connect to an Internet website is able to download client software].

20. As to claim 85, Watanabe discloses the method of claim 73, further comprising:

aggregating information received from the location-aware device with information from the one or more other users [i.e., inherently the user may browse the various images that have been commented by other users].

21. As to claims 74-75, 77-79, 81-82 and 95-96, since the features of these claims can also be found in claims 32-33, and 71-73, they are rejected for the same reasons set forth in the rejection of claims 32-33 and 71-73 above.

22. Claims 43-44 and 47-56 are rejected under 35 U.S.C. 103(a) as being unpatentable over Olivier [U.S. Pat. No. 6480885].

23. As to claim 43, Olivier teaches the invention substantially as claimed including: a method of operation of a device that is able to browse to a website for registering as a community member along with a user profile. Although Olivier does not specifically restrict the device to be a location-aware device (i.e., is able to provide information relating to user's visited geographic location). As such, it is clear that any device that is able to browse Olivier's registration server and compose email message and communicate with email server satisfies the basic requirement. Since a camera-equipped mobile device is rather popular at the

time the invention was made. It would have been obvious to an ordinary skilled artisan that a user may optionally use a camera-equipped mobile device (such as a cell phone) [see col. 22, lines 22-31 for further motivation] to perform the functions described below:

- sending registration information to a registration server from the location-aware device [e.g., Fig. 4; col. 7, lines 29-33; i.e., use the mobile device to register as a community member in a service provider's website];

- enabling access to one or more lists of other users to identify one or more other users [e.g., a selected mailing list] with whom visited geographic location data is to be shared [e.g., emailing attached photos or location information from the mobile device];

- enabling definition of access rights for the one or more other users to access the visited geographic location data [e.g., Abstract: lines 3-13; col. 3, lines 23-32];

- collecting the visited geographic location data for geographic locations visited by the location-aware device using a client-side application [e.g., pictures taken from the mobile device or location data entered into a mail by the user are first "collected" by various local applications]; and

- reporting information indicating at least a portion of the visited geographic location data collected by the location-aware device [e.g., emails are sent out to an email recipient list via a server].

24. As to claim 44, Olivier discloses the method of claim 43 wherein enabling the definition of the access rights for the one or more other users comprises

receiving, via a user interface of the location-aware device, input that defines at least one user of the one or more other users from the one or more lists of other users that is to have access to the visited geographic location data [e.g., col. 3, lines 35-67; note that the archived emails are each accessible by their respective recipient list].

25. As to claims 47-48, Olivier discloses the method of claim 43 wherein the definition of the access rights for the one or more other users to access the visited geographic location data comprises, for each other user of at least a subset of the one or more other users, receiving, via a user interface of the location-aware device, input that defines one or more categories of the visited geographic location data to be shared with the other user [e.g., in Olivier's system a member has the freedom to define different lists of members (via different criteria) to receive different set of geographic location data (such as pictures taken from a trip or traveling information in a mail) to receive the mailed data and subsequently access to respective archived data].

26. As to claim 49, Olivier discloses the method of claim 43 wherein reporting the information indicating the at least a portion of the visited geographic location data comprises reporting the information indicating the at least a portion of the visited geographic location data to the registration server [e.g., Fig. 3B, wherein a user can optionally write any travel experience regarding the visited locations in an email and shared it to any designated group of mail recipients, which eventually

arrives at the database server, where the registration data is stored (348, Fig. 3B)].

27. As to claim 50, Olivier discloses the method of claim 43 wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device col. 22, lines 22-31].

28. As to claim 51, Olivier is silent about maintaining the one or more lists of other users comprises a contact list by the location-aware device. However, Olivier's mailing list can be represented by alias names (such as NEIGHBORS in Fig. 8). Thus, it is obvious that a user's aliases may be maintained locally storing it in an accessible local file, or simply looking up in a local log (such as phone log or text message log in a cell phone) because it serves as a good reminder when one has a plurality of mailing list to remember.

29. As to claim 52, Olivier discloses the method of claim 43 wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device [e.g., 502, 504, Fig. 8, wherein the NEIGHBORS@LOCAL2ME.COM is a mailing list shared among the neighbors forming a particular group].

30. As to claims 53 and 55, Olivier does not specifically teach that the visited geographic location data further defines ratings or emoticons assigned to one or more of the geographic locations visited by the location-aware device.

However, it is customary that a user may use simplified symbols such as

ratings or emoticons to convey his/her opinion/impression about a visited location. Thus, it is obvious that Olivier's system allows a user to use any available emoticons or symbols to briefly convey certain message in an email or instant message because (1) it is a design choice; and (2) this type of symbols is available at the time the invention was made.

31. As to claim 54, Olivier discloses the method of claim 43 wherein the visited geographic location data further defines comments on one or more of the geographic locations visited by the location-aware device [Note that this is an inherent feature of Olivier's system; i.e., the email sender may request comments, while the email recipients may respond with appropriate comments].

32. As to claim 56, Olivier discloses the method of claim 43, further comprising:
enabling receipt and display of advertising information [e.g., col. 17, lines 40-43].

33. Claims 86 is rejected under 35 U.S.C. 103(a) as being unpatentable over Watanabe et al. (hereafter "Watanabe")[U.S. Pat. No. 6578072], as applied to claims 32-34, 36-42, 68, 70-72, 73, 79, 81-85 and 95 above, and further in view of Demello et al. (hereafter "Demello")[U.S. PGPub 20010036224], as applied to claims 57 and 59-60 above.

34. As to claim 86, Watanabe does not specifically teach
sending the registration information to the location-aware device which includes contractual terms which limit the use of information collected from the

user of the location-aware device.

However, Demello is aware of protecting user's privacy by implementing various procedure to prevent personal data from being compensated [e.g., para 0091]. Additionally, contractual terms that limit the abuse of personal information is typically conveyed to a user at the time of registration (for example when a mobile phone user picks a wireless carrier).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to protect user's privacy with legal binding because it reinforces the responsibility of Watanabe's web services management team for protecting users' digital data (i.e., pictures, identifiers, etc.).

35. Claims 45-46, 58, 61-67, 76 and 80 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Examiner note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wen-Tai Lin whose telephone number is (571)272-3969 and whose email address is Wen-Tai.Lin@USPTO.GOV. The examiner can normally be reached on Monday-Friday (8:00-5:00).

Art Unit: 2454

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph E. Avellino can be reached on (571)272-3905. The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

(571) 273-8300 for official communications; and

(571) 273-3969 for status inquires draft communication.

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/Wen-Tai Lin/

Primary Examiner, Art Unit 2454

November 7, 2013.

Notice of References Cited	Application/Control No. 13/894,009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.	
	Examiner WEN-TAI LIN	Art Unit 2454	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2001/0036224	11-2001	Demello et al.	375/220
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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Receipt date: 10/22/2013

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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13894009 - GALL:2454

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13894009
	Filing Date		2013-05-14
	First Named Inventor	Darren P. Briggs	
	Art Unit	2642	
	Examiner Name	TBD	
	Attorney Docket Number	1116-147-RE4	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	RE41450	E	2010-07-20	Briggs et al.	
	2	RE44324	E	2013-06-25	Briggs et al.	
	3	5568645		1996-10-22	Morris et al.	
	4	5760917		1998-06-02	Sheridan	
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	7	6195654	B1	2001-02-27	Wachtel	
	8	6250930	B1	2001-06-26	Mintz	

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			First Named Inventor	Darren P. Briggs	
			Art Unit	2642	
			Examiner Name	TBD	
			Attorney Docket Number	1116-147-RE4	

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	10	6506657	B1	2003-01-14	Essaian	
	11	6549768	B1	2003-04-15	Fraccaroli	
	12	6578072	B2	2003-06-10	Watanabe et al.	
	13	6606657	B1	2003-08-12	Zilberstein et al.	
	14	6618593	B1	2003-09-09	Drutman et al.	
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	2	20020049686	A1	2002-04-25	Chuang et al.	
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	First Named Inventor	Darren P. Briggs		
	Art Unit	2642		
	Examiner Name	TBD		
	Attorney Docket Number	1116-147-RE4		

	10	20030054810	A1	2003-03-20	Chen et al.	
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	1	2312871	EP	A1	2011-04-20	ConFine, Inc.		☐
	2	1323318	EP	A1	2003-07-02	RovingRadar, Inc.		☐

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			Examiner Name	TBD	
			Attorney Docket Number	1116-147-RE4	

	3	0221864	WO	A1	2002-03-14	RovingRadar, Inc.		☐
	4	2002196778	JP		2002-07-12	Kenwood Corp.		☐
	5	20020007934	KR	A	2002-01-29	Park		☐
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	1	Non-Final Office Action for U.S. Patent Application No. 13/893,992, mailed September 24, 2013, 19 pages						☐
	2	AUTHOR UNKNOWN "Rhapsody Unlimited," Listen.com. Subsidiary of RealNetworks, copyright 2001-2008, printed August 13, 2009, 1 page, < http://learn.rhapsody.com/plans/unlimited?src=rcom_acctcrt_uld&pcode=rn >						☐
	3	Non-Final Office Action for U.S. Patent Application No. 09/841,475, mailed August 12, 2004, 12 pages						☐
	4	Final Office Action for U.S. Patent Application No. 09/841,475, mailed June 8, 2005, 15 pages						☐
	5	Notice of Allowance for U.S. Patent Application No. 09/841,475, mailed February 28, 2006, 7 pages						☐
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			Filing Date	2013-05-14	
			First Named Inventor	Darren P. Briggs	
			Art Unit	2642	
			Examiner Name	TBD	
			Attorney Docket Number	1116-147-RE4	

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	8	Final Office Action for U.S. Patent Application No. 12/820,579, mailed June 18, 2012, 27 pages	☐
	9	Advisory Action for U.S. Patent Application No. 12/820,579, mailed October 19, 2012, 3 pages	☐
	10	Notice of Allowance for U.S. Patent Application No. 12/820,579, mailed February 14, 2013, 11 pages	☐

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Examiner Signature	/Wen Tai Lin/	Date Considered	10/28/2013

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13894009 13894009 - GAU: 2454
	Filing Date		2013-05-14
	First Named Inventor	Darren P. Briggs	
	Art Unit	2642	
	Examiner Name	TBD	
	Attorney Docket Number	1116-147-RE4	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/R. Chad Bevins/	Date (YYYY-MM-DD)	2013-10-22
Name/Print	R. Chad Bevins	Registration Number	51468

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /W.L./

<i>Index of Claims</i> 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
	Examiner WEN-TAI LIN	Art Unit 2454

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant			☐ CPA			☐ T.D.			☐ R.1.47		
CLAIM		DATE									
Final	Original	11/08/2013									
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	34	✓									
	35	✓									
	36	✓									

<i>Index of Claims</i> 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
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✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant			☐ CPA			☐ T.D.			☐ R.1.47		
CLAIM		DATE									
Final	Original	11/08/2013									
	37	✓									
	38	✓									
	39	✓									
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	67	O									
	68	✓									
	69	✓									
	70	✓									
	71	✓									
	72	✓									

<i>Index of Claims</i> 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
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✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant			☐ CPA			☐ T.D.			☐ R.1.47		
CLAIM		DATE									
Final	Original	11/08/2013									
	73	✓									
	74	✓									
	75	✓									
	76	○									
	77	✓									
	78	✓									
	79	✓									
	80	○									
	81	✓									
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	106	÷									
	107	÷									
	108	✓									

Search Notes 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
	Examiner WEN-TAI LIN	Art Unit 2454

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
Text search on EAST (see printout)	11/7/13	wtl

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	((@AD<"20010423" or @RLAD<"20010423") and passive\$2 with location near5 track\$3 and profiling and access adj3 right	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 20:29
L2	73	((@AD<"20010423" or @RLAD<"20010423") and location near5 track\$3 and profiling and access adj3 right	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 20:30
L3	50	2 and (register\$3 or registration) and report\$3 near5 (position or location)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 20:31
L4	0	2 and (parent\$2) near10 monitor\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 20:32
L5	49	3 and (parent\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 20:32
L6	1	3 and (parental)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 20:32
L7	1	((@AD<"20010423" or @RLAD<"20010423") and (security or safety) same location near5 track\$3 and profiling and access adj3 right	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 20:34
L8	6	((@AD<"20010423" or	US-PGPUB;	OR	ON	2013/11/07

		@RLAD<"20010423") and (security or safety) same location near5 track\$3 and profiling and access near5 (permission or right)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			20:35
L9	34	((@AD<"20010423" or @RLAD<"20010423") and (security or safety) same location near5 track\$3 and (register\$3 or enter\$3 or input\$4) near16 (device or cell or phone or mobile) and access near5 (permission or right)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 20:36
L10	1	((@AD<"20010423" or @RLAD<"20010423") and passive\$ with location near5 track\$3 and (register\$3 and (enter\$3 or input\$4) or defin\$3) near10 (device or cell or phone or mobile) and access near5 (permission or right)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 20:38
L11	1	9 and (user or client) near10 (authoriz\$3 or define\$3 or enter\$3 or input\$4) adj10 (read\$3 or writ\$3 or access\$3) near5 (permission or right)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 20:47
S1	43	US-5999908-\$.did. US-6018619-\$.did. EP-1026608-\$.did. EP-1026608-\$.did. US-7080139-\$.did. US-20030009464-\$.did. US-20030054810-\$.did. US-6643694-\$.did. US-6182117-\$.did. US-20020049686-\$.did. WO200157633-\$.did. US-20080222295-\$.did. US-20010036224-\$.did. US-20040176995-\$.did. US-6606627-\$.did. US-20010054155-\$.did. US-20040088355-\$.did. US-6734886-\$.did. US-5754938-\$.did. US-8024222-\$.did. US-20020049962-\$.did. US-20020052925-\$.did. US-6175842-\$.did. US-7970664-\$.did. US-6839680-\$.did. US-20020057803-\$.did. US-6433795-\$.did. US-6250930-\$.did. US-6480885-\$.did. US-20010029496-\$.did. US-20040205065-\$.did. US-20020002586-\$.did. US-6691106-\$.did. US-20040225716-\$.did. US-5760917-\$.did. US-20020087496-\$.did. US-20020144136-\$.did. US-20010053980-\$.did. US-5815665-\$.did. US-20090271514-\$.did. US-20010005847-\$.did. US-6195654-\$.did. US-6578072-\$.did. US-20040205198-\$.did. US-6606657-\$.did.	US-PGPUB; USPAT; EPO	OR	ON	2013/09/20 21:43
S2	6	US-6480885-\$.did. US-20080222295-\$.did. US-5760917-\$.did. US-20020087496-\$.did. US-6578072-\$.did. US-6606657-\$.did.	US-PGPUB; USPAT	OR	ON	2013/09/20 21:48
S3	6	S2 and (enroll\$3 or register\$3 or registration)	US-PGPUB; USPAT	OR	ON	2013/09/20 21:49
S4	4	S3 and (buddy or (user near3 list))	US-PGPUB; USPAT	OR	ON	2013/09/20 21:51
S5	1	S3 and (track\$3 or monitor\$3 or collect\$3	US-PGPUB;	OR	ON	2013/09/20

		or aggregat\$3 or report\$3) near15 (Internet or computer) near5 (usage or experience or history or log or record or activity)	USPAT			21:53
S6	2	S3 and (shar\$3 or access\$3) near15 (Internet or computer) near5 (usage or experience or history or log or record or activity)	US-PGPUB; USPAT	OR	ON	2013/09/20 21:53
S7	1	S5 and S6	US-PGPUB; USPAT	OR	ON	2013/09/20 21:55
S8	1	S7 and S4	US-PGPUB; USPAT	OR	ON	2013/09/20 21:59
S9	4	((("7080139") or ("RE44324") or ("RE41450")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/11/04 10:11
S10	43	US-5999908-\$.did. US-6018619-\$.did. EP-1026608-\$.did. EP-1026608-\$.did. US-7080139-\$.did. US-20030009464-\$.did. US-20030054810-\$.did. US-6643694-\$.did. US-6182117-\$.did. US-20020049686-\$.did. WO200157633-\$.did. US-20080222295-\$.did. US-20010036224-\$.did. US-20040176995-\$.did. US-6606627-\$.did. US-20010054155-\$.did. US-20040088355-\$.did. US-6734886-\$.did. US-5754938-\$.did. US-8024222-\$.did. US-20020049962-\$.did. US-20020052925-\$.did. US-6175842-\$.did. US-7970664-\$.did. US-6839680-\$.did. US-20020057803-\$.did. US-6433795-\$.did. US-6250930-\$.did. US-6480885-\$.did. US-20010029496-\$.did. US-20040205065-\$.did. US-20020002586-\$.did. US-6691106-\$.did. US-20040225716-\$.did. US-5760917-\$.did. US-20020087496-\$.did. US-20020144136-\$.did. US-20010053980-\$.did. US-5815665-\$.did. US-20090271514-\$.did. US-20010005847-\$.did. US-6195654-\$.did. US-6578072-\$.did. US-20040205198-\$.did. US-6606657-\$.did.	US-PGPUB; USPAT; EPO	OR	ON	2013/11/04 11:32
S11	3	S10 and geographic near5 location and (GPS or bluetooth)	US-PGPUB; USPAT; EPO	OR	ON	2013/11/04 11:32
S12	1	(@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 (geographic near5 location) and (passive\$2 or automatic or automatically or register\$3 or registration) same (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3) with (user or comput\$3 or visit or visitation or brows\$3 or purcha\$3) near10 (experience or history or data) same3 (buddy or friend or (selected or chosen or list))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/04 11:50
S13	4	(@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 (GPS or (geographic near5 (position or	US-PGPUB; USPAT; USOCR;	OR	ON	2013/11/04 12:45

		location))) and (passive\$2 or automatic or automatically) same (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3) with (user or comput\$3 or visit or visitation or brows\$3 or purcha\$3) near10 (experience or history or data) same3 (buddy or friend or (selected or chosen or list))	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S14	4	((@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 (GPS or (geographic near5 (position or location))) with (buddy or friend or selected or chosen or list) and (passive\$2 or automatic or automatically) near15 (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/04 12:52
S16	446	((@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 (photo or photograph or picture or image or ((travel or tour or visit or visitation) near5 (data or information or experience))) with (buddy or friend or selected or chosen or list) and (passive\$2 or automatic or automatically) near15 (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/04 13:04
S17	53	((@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 (((travel or tour or visit or visitation) near5 (data or information or experience))) with (buddy or friend or selected or chosen or list) and (passive\$2 or automatic or automatically) near15 (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/04 13:04
S18	47	S17 and (register\$3 or registration) near15 (center or server or user or client)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/04 13:45
S19	38	S18 and (defin\$3 or definition or assign\$3 or assignment or grant\$3 or authoriz\$3 or authorization) near15 (access\$3 or right or permission or shar\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/04 13:50
S20	53	((@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 (((trip or travel or tour or visit or visitation) near5 (data or information or experience))) with (buddy or friend or selected or chosen or list) and (passive\$2 or automatic or automatically) near15 (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/04 18:08
S21	2455	((@AD<"20010423" or @RLAD<"20010423") and (GPS near10 (camera or cellphone or phone or PDA or mobile or wireless or (location-aware))) same (monitor\$3 or track\$3 or listen\$3 or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2013/11/05 07:32

		detect\$3 or collect\$3 or report\$3) with (location or position or place or map)	DERWENT; IBM_TDB			
S22	50	((@AD<"20010423" or @RLAD<"20010423") and (GPS near10 (camera or cellphone or phone or PDA or mobile or wireless or (location-aware))) same (monitor\$3 or track\$3 or detect\$3 or collect\$3 or report\$3 or record\$3) with (location or position or place) near15 (visit\$3 or trip or travel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/05 09:20
S23	0	S22 and (shar\$3 or allow\$3 or grant\$3 or permit\$4 and enabl\$3) near10 (access or read or receiv\$3) adj15 (monitor\$3 or track\$3 or detect\$3 or collect\$3 or report\$3 or record\$3) adj10 (data or information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/05 09:48
S24	5	S22 and (shar\$3 or allow\$3 or grant\$3 or permit\$4 and enabl\$3) near10 (access or read or receiv\$3) adj15 (monitor\$3 or track\$3 or detect\$3 or collect\$3 or report\$3 or record\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/05 09:49
S25	0	S22 and parental	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/05 10:45
S26	19	S22 and parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/05 10:45
S27	0	S22 and parent same (security or safety)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/05 10:46
S28	8	S22 and (security or safety) with monitor\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/05 10:46
S29	50	((@AD<"20010423" or @RLAD<"20010423") and (GPS near10 (camera or cellphone or phone or PDA or mobile or wireless or (location-aware))) same (monitor\$3 or track\$3 or detect\$3 or collect\$3 or report\$3 or record\$3) with (location or position or place) near15 (visit\$3 or trip or travel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/06 10:05
S30	24	S29 and (mobile or cell or cellular) adj	US-PGPUB;	OR	ON	2013/11/06

EAST Search History

		phone	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			10:05
S31	4	((("7080139") or ("RE44324") or ("RE41450")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/11/07 18:26
S32	0	S31 and client adj application	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 18:26
S33	0	S31 and collect near4 locally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 18:26
S34	3	S31 and client adj3 application	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/07 18:27

EAST Search History (Interference)

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11/ 7/ 2013 8:49:20 PM**C:\ Users\ wlin\ Documents\ EAST\ Workspaces\ 13_894009.wsp**



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BIB DATA SHEET

CONFIRMATION NO. 4762

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
13/894,009	05/14/2013	709	2454	1116-147-RE4		
APPLICANTS Darren P. Briggs, Nashville, TN; Brady O. Bruce, San Francisco, CA; Michael W. Mitchell, Santa Cruz, CA; Emile L. Reed IV, Denver, CO;						
** CONTINUING DATA ***** This application is a CON of 12/820,579 06/22/2010 PAT RE44324 which is a CON of 12/172,518 07/14/2008 PAT RE41450 which is a REI of 09/841,475 04/24/2001 PAT 7080139						
** FOREIGN APPLICATIONS *****						
** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 07/01/2013						
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and /WEN-TAI LIN/ Acknowledged Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY TN	SHEETS DRAWINGS 19	TOTAL CLAIMS 77	INDEPENDENT CLAIMS 22
ADDRESS Concert Technology Corporation 5400 Trinity Road, Suite 303 Raleigh, NC 27607 UNITED STATES						
TITLE METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES						
FILING FEE RECEIVED 15580	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit		

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CHANGE OF CORRESPONDENCE ADDRESS <i>Application</i> Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Application Number	13/894,009
	Filing Date	5/14/2013
	First Named Inventor	Darren P. Briggs
	Art Unit	2454
	Examiner Name	Wen Tai Lin
	Attorney Docket Number	1116-147-RE4

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I am the:

☐ Applicant

☒ Attorney or agent of record. Registration Number 51,468.

☐ Registered practitioner named in the application transmittal papers who acts in a representative capacity under 37 CFR 1.34. See 37 CFR 1.33(a)(1). Registration Number _____.

Signature /R. Chad Bevins/

Typed or Printed Name R. Chad Bevins

Date March 21, 2014 Telephone 919-238-2300

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:



Practitioners associated with the Customer Number:

119000

OR



Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

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Telephone		Email	

Assignee Name and Address:

Tena Technology, LLC
1000 North West Street, Suite 1200
Wilmington, DE 19801

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record
The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	3/13/2014
Name	Hugh Svendsen	Telephone	919-433-1845
Title	Member		

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Darren P. Briggs et al.

Application No./Patent No.: 13/894,009 Filed/Issue Date: 5/14/2013

Titled: **METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES**

Tena Technology, LLC, a limited liability company

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 024575, Frame 0328, or for which a copy therefore is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

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☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (*i.e.*, a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/R. Chad Bevins/

Signature

March 21, 2014

Date

R. Chad Bevins

Printed or Typed Name

Attorney of Record

Title

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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
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Electronic Acknowledgement Receipt	
EFS ID:	18544414
Application Number:	13894009
International Application Number:	
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Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	71739
Filer:	R. Chad Bevins/Julie Smith
Filer Authorized By:	R. Chad Bevins
Attorney Docket Number:	1116-147-RE4
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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Change of Address	1116-147-RE4_Change_of_Correspondence_Address.PDF	249537 eb82296bc9407900679b598ad0a37758f7db002f	no	2
Warnings:					
Information:					

2	Power of Attorney	1116-147- RE4_Tena_General_POA_1190 00.pdf	325256 07a71137d9c54672e2e8cf468e4a31bd324 048d0	no	1
Warnings:					
Information:					
3	Assignee showing of ownership per 37 CFR 3.73.	1116-147- RE4_Statement_Under_37CFR3 -73b.PDF	423170 94dcbed131a6d35f2473760e456ef329aac5 dbe1	no	2
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Darren P. Briggs et al.

Serial No. 13/894,009

Filed: 05/14/2013

Attorney Docket No. 1116-147-RE4

For: **METHOD AND APPARATUS FOR SELECTIVELY SHARING AND
PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES**

Examiner: Wen Tai Lin

Art Unit: 2454

Mail Stop Amendment
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

RESPONSE TO THE OFFICE ACTION MAILED NOVEMBER 12, 2013

In response to the Office Action mailed November 12, 2013, Applicants offer the following amendments and remarks. Applicants enclose a payment in the amount of \$600 to cover the fee associated with a two month extension of time and request that this be considered a petition therefor. If any additional fees are required in association with this response, the Director is hereby authorized to charge them to Deposit Account 50-1732, and consider this a petition therefor.

In the Claims:

1-31. (Cancelled)

32. (Once Amended) A computer-implemented method of sharing computer usage experiences, including:

[registering] sending registration information of a user [with] to a registration server to collect and share visited geographic location data using a client-side application [collected] while visiting [a] geographic locations [location] with a location-aware device that records the visited geographic locations;

[accessing] enabling access to one or more [of the user's] messaging buddy lists of the user to identify one or more buddies with whom the [tracking data] visited geographic location data may be shared;

[defining] enabling definition of rights of the one or more buddies to access the visited geographic location data; and

[posting] sending information indicating at least a portion of the [user's] visited geographic location data [for the buddies to access according to their defined rights] to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights.

33. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a rating assigned to the visited geographic locations.

34. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a comment on the visited geographic locations.

35. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and an emoticon assigned to the visited geographic locations.

36. The method of claim 32, further comprising:
enabling receipt and display of advertising information.

37. A non-transitory computer-readable medium storing software for instructing a controller of a computing device to:

send registration information of a user to a registration server to collect and share visited geographic location data using a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

enable definition of rights of the one or more other users to access the visited geographic location data; and

send information indicating at least a portion of the visited geographic location data to a tracking server.

38. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and a rating assigned to the geographic locations.

39. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and a comment on the geographic locations.

40. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and a rating assigned to the geographic locations.

41. The computer-readable medium of claim 37 wherein the software further instructs the controller of the computing device to display advertising.

42. The computer-readable medium of claim 41 wherein the advertising is capable of moving.

43. A method of operation of a location-aware device comprising:

sending registration information to a registration server from the location-aware device;

enabling access to one or more lists of other users to identify one or more other users with whom visited geographic location data is to be shared;

enabling definition of access rights for the one or more other users to access the visited geographic location data;

collecting the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

reporting information indicating at least a portion of the visited geographic location data collected by the location-aware device.

44. The method of claim 43 wherein enabling the definition of the access rights for the one or more other users comprises receiving, via a user interface of the location-aware device, input that defines at least one user of the one or more other users from the one or more lists of other users that is to have access to the visited geographic location data.

45. The method of claim 43 further comprising automatically and passively recording the data defining the geographic locations visited by the location-aware device.

46. The method of claim 45 wherein reporting the information indicating the at least a portion of the visited geographic location data comprises automatically and passively reporting the information indicating the at least a portion of the visited geographic location data.

47. The method of claim 43 wherein the definition of the access rights for the one or more other users to access the visited geographic location data comprises, for each other user of at least a subset of the one or more other users, receiving, via a user interface of the location-aware device, input that defines one or more categories of the visited geographic location data to be shared with the other user.

48. The method of claim 43 wherein the definition of the access rights for the one or more other users to access the visited geographic location data comprises, for each category of at least a subset of a plurality of categories of the visited geographic location data, receiving, via a user interface of the location-aware device, input that defines at least one other user of the one or more other users to have access to the category of the visited geographic location data.

49. The method of claim 43 wherein reporting the information indicating the at least a portion of the visited geographic location data comprises reporting the information indicating the at least a portion of the visited geographic location data to the registration server.

50. The method of claim 43 wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device.

51. The method of claim 43 wherein the one or more lists of other users comprises a contact list maintained by the location-aware device.

52. The method of claim 43 wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device.

53. The method of claim 43 wherein the visited geographic location data further defines ratings assigned to one or more of the geographic locations visited by the location-aware device.

54. The method of claim 43 wherein the visited geographic location data further defines comments on one or more of the geographic locations visited by the location-aware device.

55. The method of claim 43 wherein the visited geographic location data further defines emoticons assigned to one or more of the geographic locations visited by the location-aware device.

56. The method of claim 43, further comprising:
enabling receipt and display of advertising information.

57. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:
enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server.

58. The computer-readable medium of claim 57 wherein in order to enable the definition of the access rights for the one or more other users to access the visited geographic location data, the software further instructs the controller of the location-aware device to receive, via a user interface of the location-aware device, input that defines at least one user of the one or more other users from the one or more lists of other users that is to have access to the visited geographic location data.

59. The computer-readable medium of claim 57 wherein in order to collect the visited geographic location data, the software further instructs the controller of the location-aware device to automatically and passively record the data defining the geographic locations visited by the location-aware device.

60. The computer-readable medium of claim 59 wherein in order to report the information indicating the at least a portion of the visited geographic location data, the software further instructs the controller of the location-aware device to automatically and passively report the information indicating the at least a portion of the visited geographic location data.

61. The computer-readable medium of claim 57 wherein in order to enable the definition of the access rights for the one or more other users to access the visited geographic location data, the software further instructs the controller of the location-aware device to, for each other user of at least a subset of the one or more other users, receive, via a user interface of the location-aware device, input that defines one or more categories of the visited geographic location data that can be shared with the other user.

62. The computer-readable medium of claim 57 wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device.

63. The computer-readable medium of claim 57 wherein the one or more lists of other users comprises a contact list maintained on the location-aware device.

64. The computer-readable medium of claim 57 wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device.

65. The computer-readable medium of claim 57 wherein the visited geographic location data further defines ratings assigned to one or more of the geographic locations visited by the location-aware device.

66. The computer-readable medium of claim 57 wherein the visited geographic location data further defines comments on one or more of the geographic locations visited by the location-aware device.

67. The computer-readable medium of claim 57 wherein the visited geographic location data further defines emoticons assigned to one or more of the geographic locations visited by the location-aware device.

68. A method of operation of a server to share computer usage experiences, comprising the following computer-implemented steps:

receiving, at the server, a registration for automatic client-side collection and sharing of visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations;

enabling access to one or more messaging buddy lists and selection of one or more buddies with whom the visited geographic location data may be shared from the one or more messaging buddy lists;

obtaining defined rights of the one or more buddies to access the visited geographic location data; and

reporting information indicating at least a portion of the visited geographic location data for the one or more buddies to access according to the rights defined for the one or more buddies.

69. A method of operation of a client-side application including:

sending registration information to a registration server to collect and share visited geographic location data using the client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations;

enabling identification of one or more buddies with whom the visited geographic location data may be shared from one or more messaging buddy lists;

enabling definition of rights of the one or more buddies to access the visited geographic location data; and

reporting information indicating at least a portion of the visited geographic location data to a tracking server.

70. A non-transitory computer-readable medium storing software for instructing a controller of a registration and tracking server to:

receive, at the registration and tracking server, a registration to collect and share visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the geographic locations;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

obtain defined rights of the one or more other users to access the visited geographic location data; and

report information indicating at least a portion of the visited geographic location data for the one or more other users to access according to the rights defined for the one or more other users.

71. A non-transitory computer-readable medium storing software for instructing a controller of a device to:

communicate with a registration server to register with the registration server to collect visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the geographic locations;

enable a user to select one or more other users with whom the visited geographic location data may be shared from one or more lists of other users;

enable the user to define rights of the one or more other users to access the visited geographic location data; and

report information indicating at least a portion of the visited geographic location data for the one or more other users to a tracking server.

72. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that has registered with a registration server to:

enable identification of one or more other users with whom visited geographic location data is to be shared from one or more lists of other users;

enable definition of access rights for the one or more other users to allow for access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device, the visited geographic location data comprising data that defines the geographic locations visited by the location-aware device; and

report information indicating at least a portion of the visited geographic location data.

73. A method of operation of a server computer comprising:

receiving registration information from a location-aware device;

receiving information indicating visited geographic location data from the location-aware device, the visited geographic location data being data defining geographic locations collected at the location-aware device from a client-side application;

obtaining access rights for one or more other users to allow for access to the visited geographic location data, the one or more other users being one or more other users from one or more lists of other users with whom the visited geographic location data is to be shared; and

sharing at least a portion of the visited geographic location data with the one or more other users according to the access rights defined for the one or more other users.

74. The method of claim 73 wherein the access rights for the one or more other users to access the visited geographic location data comprises, for each other user of at least a subset of the one or more other users, information that defines one or more categories of the visited geographic location data to be shared with the other user.

75. The method of claim 73 wherein the access rights for the one or more other users to access the visited geographic location data comprises, for each category of at least a subset of a plurality of categories of the visited geographic location data, information that defines at least one other user of the one or more other users to have access to the category of the visited geographic location data.

76. The method of claim 73 wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device.

77. The method of claim 73 wherein the one or more lists of other users comprises a contact list maintained on the location-aware device.

78. The method of claim 73 wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device.

79. The method of claim 73 further comprising:
quantifying relative influence of at least one user on other users.

80. The method of claim 79, wherein quantifying the relative influence of the at least one user includes a frequency metric.

81. The method of claim 73, further comprising:
offering up to the client-side application context sensitive information associated with the geographic locations visited by the location-aware device.

82. The method of claim 81, wherein the context sensitive information may include ratings of the geographic locations visited by the location-aware device.

83. The method of claim 73, further comprising:
presenting information to the client-side application based on information received regarding the geographic locations visited by the location-aware device.

84. The method of claim 73, further comprising:
downloading client software to the location-aware device.

85. The method of claim 73, further comprising:
aggregating information received from the location-aware device with information from the one or more other users.

86. The method of claim 73, further comprising:
sending the registration information to the location-aware device which includes contractual terms which limit the use of information collected from the user of the location-aware device.

87. A non-transitory computer-readable medium storing software for instructing a controller of a server to:
receive a registration to collect and share visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the geographic locations;
enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;
obtain defined rights of the one or more other users to access the visited geographic location data; and
report information indicating at least a portion of the visited geographic location data for the one or more other users to access according to the rights defined for the one or more other users.

88. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a thumbs up rating assigned to the visited geographic locations.

89. A location-aware mobile device having a controller and memory, wherein the controller is configured to:

send location information to a server while visiting geographic locations;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

enable definition of rights of the one or more other users to access the visited geographic location data; and

send information indicating at least a portion of the visited geographic location data to a server.

90. The computer-implemented method of claim 32 wherein the location-aware device records the visited geographic locations using a location-fixing protocol.

91. The computer-implemented method of claim 90 wherein the location-fixing protocol is a satellite-based location-fixing protocol.

92. The computer-implemented method of claim 91 wherein the satellite-based location-fixing protocol is selected from a group consisting of: a GPS protocol and a DGPS protocol.

93. The computer-implemented method of claim 90 wherein the location-fixing protocol is a terrestrial-radio-based location-fixing protocol.

94. The computer-implemented method of claim 93 wherein the terrestrial-radio-based location-fixing protocol is a LORAN protocol.

95. The computer-implemented method of claim 90 wherein the location-fixing protocol is a triangulation-based location-fixing protocol.

96. A system for collecting and sharing visited geographic location data, comprising:

- a location-aware device adapted to:
 - record geographic location data while visiting geographic locations using a location-fixing protocol;
 - enable access to one or more lists of other users to identify one or more other users with whom the geographic location data may be shared;
 - enable definition of rights of the one or more other users to access the geographic location data; and
 - send at least a portion of the geographic location data to a tracking server; and
- the tracking server adapted to:
 - receive the at least a portion of the geographic location data from the location-aware device; and
 - share the at least a portion of the geographic location data with the one or more other users in accordance with the rights of the one or more other users.

REMARKS

Applicants have carefully reviewed the Office Action mailed November 12, 2013 and offer the following remarks to accompany the above amendments.

Status of the Claims

Claims 32-108 were previously pending. Claims 87-94 and 97-107 are cancelled herein and claims 95, 96, and 108 have been renumbered as claims 87, 88, and 89, respectively. New claims 90-96 have been added herein. Accordingly, claims 32-96 (previous claims 32-86, 95, 96, and 108 and new claims 90-96) are pending.

Election/Restrictions

Applicants' representative, R. Chad Bevins, elected Invention I (claims 32-86, 95, 96, and 108) during a telephone call with Examiner Lin on November 6, 2013. Applicants have cancelled claims 87-94 and 97-107 and renumbered claims 95, 96, and 108 as claims 87, 88, and 89, respectively.

Allowable Subject Matter

Applicants would like to thank the Examiner for indicating that claims 45, 46, 58, 61-67, 76, and 80 would be allowable if rewritten in independent form. Applicants reserve the right to rewrite claims 45, 46, 58, 61-67, 76, and 80 at a later time, if necessary.

Claim Objections

Claims 69, 81, and 83 were objected to "because the term 'client-side application' is not found in Applicant's original disclosure."¹ Applicants respectfully traverse. As stated in MPEP § 2163.02, "[t]he subject matter of the claim need not be described literally (i.e., using the same terms or *in haec verba*) in order for the disclosure to satisfy the description requirement." In the present application, the term "client-side application" is not explicitly used in the specification, but is adequately described in the specification in other terms (e.g., "client software"). Further, the Patent Office's assertion that the claimed functions are "not necessarily limited to client-side

¹ Office Action mailed November 12, 2013, p. 3.

applications because one may simply relay on a browser to perform all these steps”² is incorrect because a browser is one type of client-side application. For example, a browser is an application that is executed at the client device that, when rendering a particular website, enables registration, etc.

Further, the Patent Office’s distinction between why “client-side” was permitted in the original patent (because it was used to clarify that the computer usage data was collected and tracked by a client-side application) but is not permitted in the present application (because the client-side application is “featured subject matter”) has no basis in law. Whether or not a claimed term is adequately described and supported by the specification does not depend on whether the claimed term appears within the claim or is the claimed subject matter itself. The Patent Office correctly decided this issue in the original patent, where the term “client-side” was permitted. Applicants respectfully request that the Patent Office withdraw this objection.

Claims 71 and 92 were objected to because the term “the user” lacks antecedent basis. Applicants have amended claim 71 to change “the user” to “a user.” Claim 92 is cancelled herein. As such, Applicants respectfully request that the claim objection be withdrawn.

Rejection Under 35 U.S.C. § 102(e) - Demello

Claims 57, 59, 60, and 108 (now claim 89) were rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent Application Publication No. 2001/0036224 A1 to Demello et al. (hereinafter “Demello”). Applicants respectfully traverse. As discussed in MPEP § 2131, “[a] claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.”³ “The identical invention must be shown in as complete detail as is contained in the ... claim.”⁴ Because the hallmark of anticipation is prior invention, the prior art reference—in order to anticipate under 35 U.S.C. § 102—must not only disclose all elements of the claim within the four corners of the document, but must also disclose those elements “arranged as in the claim.”⁵

Before specifically addressing the rejection, a brief overview of Demello is beneficial. Demello teaches “passive location positioning of wireless handsets for the purposes of delivering

² *Id.* at pp. 3-4.

³ *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987).

⁴ *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989).

⁵ *Net Moneyin, Inc. v. Verisign, Inc.*, 545 F.3d 1359, 1369 (Fed. Cir. 2008) citing *Connell v. Sears, Roebuck & Co.*, 722 F.2d 1542, 1548 (Fed. Cir. 1983).

targeted data to users in a wireless communications network while protecting the privacy of users.”⁶ As illustrated in Figure 3 of Demello, the system disclosed by Demello includes a mediation server (19) and a profiling server (21). The mediation server (19) “enables real-time collection of wireless user location positioning data from [a] wireless network, encryption of personal identifiers that generates location records in anonymized format and distribution of anonymized location records for storage, tracking and profiling purposes.”⁷ As illustrated in Figures 4 and 5 of Demello, the profiling server (21) “receives and stores the most recent location data transmitted from the Mediation Server [19] as a sequence of records that indicate user location.”⁸ Based on a historical record of the location data transmitted from the mediation server (19), the profiling server (21) enables targeted data providers to push targeted data to the wireless users.

Claim 57

I. Demello fails to disclose the recited feature of enabling access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared

Regarding claim 57, first, Demello fails to disclose the recited feature of “software for instructing a controller of a location-aware device ... to: enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared.” In order to show this feature, the Patent Office relied on paragraph [0001] of Demello and, in particular, the statement in paragraph [0001] of Demello that “Herein, targeted data includes advertising, alerts, messages, images and any other type of information or content that may be targeted to a class or group of persons, that may be delivered in text, video or graphic formats and also includes applications.”⁹

As discussed above, Demello teaches the collection of location positioning data for wireless users in a wireless network and then using the collected location positioning data to push targeted data to the wireless users. The passage cited by the Patent Office simply states that the targeted data pushed to the wireless users includes advertising, alerts, etc. Nothing in the cited passage of Demello (or anywhere else in Demello) discloses enabling access to one or more

⁶ Demello, Abstract, ll. 2-5.

⁷ *Id.* at ¶0097, ll. 1-6.

⁸ *Id.* at ¶0110, ll. 1-3.

⁹ Office Action mailed November 12, 2013, p. 5.

lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared.

In Demello, the only sharing of the location positioning data is between the wireless network and the mediation server (19). Demello fails to disclose sharing of the location positioning data of one user with one or more other users, let alone disclose enabling access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared. As such, Demello fails to disclose the recited feature of “software for instructing a controller of a location-aware device ... to: enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared.”

II. Demello fails to disclose the recited feature of enabling definition of access rights for the one or more other users to enable access to the visited geographic location data

Second, Demello fails to disclose the recited feature of “software for instructing a controller of a location-aware device ... to ... enable definition of access rights for the one or more other users to enable access to the visited geographic location data.” In order to show this feature of claim 57, the Patent Office relied on paragraphs [0090]-[0091] and [0051] of Demello and, in particular, the statement made in Demello that “The system establishes a user privacy management framework that enables differentiated access to the user related information including user personal identifiers and user profile information inferred from continuous tracking of user location.”¹⁰ However, Demello fails to disclose enabling other users to access the visited location data of a user at all, let alone disclose enabling definition of access rights for one or more other users to enable access to the visited geographic location data.

More specifically, as discussed above, Demello discloses a system in which the mediation server (19) collects location positioning data for wireless users from the wireless network. The mediation server (19) anonymizes the collected location positioning data and provides the anonymized location positioning data to the profiling server (21). The profiling server (21) then uses the anonymized location positioning data for profiling purposes and to enable targeted data providers to push targeted data to the wireless users. The “user privacy framework” referred to in paragraph [0051] of Demello and further described in paragraphs

¹⁰ *Id.* at p. 5 (quoting Demello, ¶[0051], ll. 10-14).

[0090] and [0091] of Demello is between the mediation server (19) and the profiling server (21). In particular, Demello states that “[t]his pair of servers [i.e., the mediation server 19 and the profiling server 21] features differentiated data access right capabilities requiring that the party that operates the Profiling Server 21 does not give access right privileges to the party operating Mediation Server 19 specifically for the data related to user profiles” and “[c]onversely, the party operating Mediation Server 19 is restricted from giving data access rights to the party dealing with user profiles including the party that operates the Profiling Server 21.”¹¹ Demello continues by stating that “[t]his insures anonymity of the location data to the parties that use location information for one of the following purposes, including inferring psychographic information about users, ‘pushing’ targeted data to wireless transceivers, and the like.”¹²

Thus, the access rights disclosed in Demello are access rights between the mediation server (19) and the profiling server (21). Demello fails to disclose sharing of the location data of one user (e.g., one wireless user) with one or more other users (e.g., other wireless users), let alone defining access rights for one or more other users to enable access to the location data. As such, Demello fails to disclose the recited feature of “software for instructing a controller of a location-aware device ... to ... enable definition of access rights for the one or more other users to enable access to the visited geographic location data.”

For at least the reasons set forth above, claim 57 is allowable over Demello.

Dependent Claims 59 and 60

Claims 59 and 60 depend directly or indirectly from claim 57. As such, since claim 57 is allowable, claims 59 and 60 are also allowable at least by virtue of their dependency from claim 57. However, Applicants reserve the right to further address the rejections of claims 59 and 60 in the future, if desired.

Claim 89 (Previously Claim 108)

Claim 89 (previously claim 108) includes features similar to those of claim 57 and, as such, is allowable for at least the same reasons discussed above with respect to claim 57.

¹¹ Demello, ¶0090.

¹² *Ibid.*

However, Applicants reserve the right to further address the rejection of claim 89 in the future, if desired.

Rejection Under 35 U.S.C. § 103(a) - Watanabe

Claims 32-42, 68-75, 77-79, 81-85, 95 (now claim 87), and 96 (now claim 88) were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,578,072 B2 to Watanabe et al. (hereinafter “Watanabe”). Applicants respectfully traverse. Under § 103, “obviousness requires a suggestion of *all limitations in a claim*.”¹³ Thus, in order to reject a claim under § 103, for each limitation of the claim, the Patent Office must show that the limitation is taught or suggested by the cited prior art references or would have otherwise been suggested to one of ordinary skill in the art at the time of the invention.

Claim 32

I. Rejection is Inconsistent with Examiner Lin’s Stated Reasons for Allowance for U.S. Patent No. 7,080,139

The present application is a reissue application of U.S. Patent No. 7,080,139. Claim 32 is an amended version of claim 32 in U.S. Patent No. 7,080,139. In the stated reasons for allowance given by Examiner Lin for U.S. Patent No. 7,080,139, Examiner Lin stated:

In photographic processing/distribution systems described in U.S. Patents No. 5760917 and No. 6578072, a user may authorize different group of friends (or buddies) with different priorities in viewing pre-organized photo albums, but the shared subject matter is photographs that have been centrally processed, rather than computer usage experiences collected locally from an information originator.¹⁴

Thus, in the stated reasons for allowance, Examiner Lin stated that claim 32 of the U.S. Patent No. 7,080,139 was allowed because in Watanabe (U.S. Patent No. 6,578,072) “the shared subject matter is photographs that have been centrally processed, rather than computer usage experiences collected locally from an information originator.” Like claim 32 of the issued patent, claim 32 of the present reissue application is “a method of sharing computer usage experiences” where “geographic location data” is collected “using a client-side application” “while visiting geographic locations with a location-aware device.” Thus, the stated reasons for allowance in

¹³ *CFMT, Inc. v. Yieldup Intern. Corp.*, 349 F.3d 1333, 1342 (Fed. Cir. 2003) (citing *In re Royka*, 490 F.2d 981, 985 (CCPA 1974) (emphasis added)).

¹⁴ Notice of Allowability mailed February 28, 2006 for U.S. Patent No. 7,080,139, p. 3.

U.S. Patent No. 7,080,139 with respect to Watanabe are equally applicable to claim 32 of the present reissue application. As such, claim 32 is allowable.

II. Watanabe Fails to Disclose All of the Limitations of Claim 32

Regarding claim 32, Watanabe fails to disclose each of the limitations of claim 32. Before specifically addressing the rejection of claim 32, a brief discussion of Watanabe is beneficial.

Watanabe discloses a “network photograph service” in which “only selected images are shown only to people that a user wishes to show the images.”¹⁵ In particular, as illustrated in Figure 2, “when the user requests registration of images, an image registering function 17 of the laboratory server 8 registers the image data read from a film 13 by the scanner 7 with a high resolution image database 18 managed by the laboratory server 8.”¹⁶ As illustrated in Figure 3 of Watanabe, each film (13) registered by the user results in a separate register group (register group A for film 1 and register group B for film 2). As also illustrated in Figure 3, the user can create albums that include images for any one or more of the registered groups of images. For example, as illustrated in Figure 3, the user can create album 1 including some of the images from register group A, album 2 including some of the images from register group A and some of the images from register group B, and album 3 including some of the images from register group 3. An album is registered by the user by “inputting the name of a desired network album and a network album password.”¹⁷ Thereafter, when a viewer desires to view an album, the viewer must first enter the user ID of the user. The viewer is then presented with the albums created by the user corresponding to the input user ID. Then, in order to view an album, the viewer must enter the appropriate network album password.¹⁸ Watanabe makes no mention of how the viewer obtains the user ID and the network album password(s).

¹⁵ Watanabe, Abstract, II. 1-4.

¹⁶ *Id.* at col. 5, l. 66 through col. 6, l. 3.

¹⁷ *Id.* at col. 9, II. 1-3.

¹⁸ *Id.* at col. 9, II. 43-54.

- i. *Watanabe fails to disclose the recited feature of sending registration information of a user to a registration server to collect and share visited geographic location data using a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations*

First, Watanabe fails to disclose the recited feature of “sending registration information of a user to a registration server to collect and share visited geographic location data using a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations.”¹⁹ In order to show this feature of claim 32, the Patent Office relied on the Abstract and column 2, lines 24-67 of Watanabe, and in particular, stated that “images taken during a trip (to certain geographic locations), wherein the sending, registering, collecting of images all involve the use of client-side application.”²⁰

The basis of the Patent Office’s rejection is two-fold, namely: (1) that the images in Watanabe read upon the recited visited geographic location data in claim 32 because the images are of, e.g., geographic landmarks and (2) the film camera in Watanabe reads upon the recited location-aware device because the film camera takes pictures of geographic landmarks. Applicants respectfully disagree. While the Patent Office must give terms and phrases their broadest reasonable interpretation in light of the specification, this interpretation must be both: (1) reasonable and (2) in light of the specification. In particular, quoting *In re Morris*, 127 F.3d 1048, 1054-55, 44 USPQ2d 1023, 1027-28 (Fed. Cir. 1997), MPEP § 2111 states that the “PTO applies to verbiage of the proposed claims the broadest reasonable meaning of the words in their ordinary usage as they would be understood by one of ordinary skill in the art, taking into account whatever enlightenment by way of definitions or otherwise that may be afforded by the written description contained in applicant’s specification.” The interpretation taken by the Patent Office fails to meet these requirements.

First, interpreting the term “geographic location data” so broadly as to encompass images taken at various geographical landmarks during a trip is not reasonable in light of the ordinary usage of the term “geographic location data” as it would be understood by one of ordinary skill in the art, particularly in light of the specification. For example, such location data or information is described at, e.g., column 3, lines 9-38 of U.S. Patent No. 7,080,138, where the location data or information is disclosed as, e.g., location data obtained from a Bluetooth access

¹⁹ Claim 32, emphasis added.

²⁰ Office Action mailed Nov. 12, 2013, p. 7.

point sponsored at a location or geo-coded data such that the location is obtained via a GPS, DGPS, LORAN, or other location-fixing protocol.

Second, interpreting the term “location-aware device” so broadly as to encompass a camera that captures images during a trip is not reasonable in light of the ordinary usage of the term “location-aware device” as it would be understood by one of ordinary skill in the art, particularly in light of the specification. A camera is not aware of its location simply because the camera can take a picture. In order to be location-aware, a camera must be equipped with some other mechanism by which the camera becomes aware of its location (e.g., a GPS receiver). As such, a camera cannot reasonably be read as a location-aware device.

Since Watanabe fails to teach the collection and sharing of “visited geographic location data” using a client-side application while visiting “geographic locations” with a “location-aware device” that records the visited geographic location, Watanabe cannot teach the recited feature of “sending registration information of a user to a registration server to collect and share visited geographic location data using a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations.”²¹

ii. *Watanabe fails to disclose the recited feature of enabling access to one or more messaging buddy lists of the user to identify one or more buddies with whom the visited geographic location data may be shared*

Second, Watanabe fails to disclose the recited feature of “enabling access to one or more messaging buddy lists of the user to identify one or more buddies with whom the visited geographic location data may be shared.” In order to show this feature of claim 32, the Patent Office relied on column 2, lines 49-54 and Figures 3-5 of Watanabe.²² Applicants respectfully disagree. As discussed above, the user/creator of an album gives the album an album name and an album password. Using a user ID of the user/creator and the album password, a viewer can view the album via the network service. However, Watanabe fails to describe any means by which the viewer obtains the user ID and album password, let alone that the user/creator of an album is enabled to access one or more buddy lists (or any other list(s) of other users) to identify one or more buddies (or other users) with whom the album may be shared. As such, even if the images in Watanabe are read as visited geographic data (which as discussed above Applicants do

²¹ Claim 32, emphasis added.

²² Office Action mailed November 12, 2013, p. 7.

not concede), Watanabe fails to disclose the recited feature of “enabling access to one or more messaging buddy lists of the user to identify one or more buddies with whom the visited geographic location data may be shared.”

iii. *Watanabe fails to disclose the recited feature of enabling definition of rights of the one or more buddies to access the visited geographic location data*

Third, Watanabe fails to disclose the recited feature of “enabling definition of rights of the one or more buddies to access the visited geographic location data.” In order to show this feature of claim 32, the Patent Office relied on column 4, lines 20-27 and column 7, lines 8-59 of Watanabe.²³ The cited sections of Watanabe describe albums and, in particular, the creation of albums from multiple registered groups of images (from different rolls of film). Nothing in these sections have anything to do with defining rights of one or more buddies (or other users) selected from one or more buddy lists (or other lists of users) to access the images or albums. The only access rights to the albums in Watanabe are conveyed by the user/creator of the albums sharing his or her user ID and the appropriate album password(s) to the other user(s)/viewer(s) to whom the user/creator desires to give access rights. Again, Watanabe fails to disclose any means by which the user/creator of the albums to is share his or her user ID and the appropriate album password(s) with the other user(s)/viewer(s). As such, even if the images in Watanabe are read as geographic location data (which as discussed above Applicants do not concede), Watanabe fails to disclose the recited feature of “enabling definition of rights of the one or more buddies to access the visited geographic location data.”

iv. *Watanabe fails to disclose the recited feature of sending information indicating at least a portion of the visited geographic location data to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights*

Finally, Watanabe fails to disclose the recited feature of “sending information indicating at least a portion of the visited geographic location data to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights.” As discussed above, Watanabe discloses sending the film (13) to a laboratory, where the film (13) is scanned and registered with an image database (16). Watanabe also discloses that the user can

²³ *Ibid.*

organize the resulting images into a number of albums and define corresponding album passwords for those albums. Watanabe then teaches that viewers having the appropriate user ID and album passwords can view the albums via the network service. However, even if the images are read as the recited visited geographic location data (which as discussed above Applicants do not concede), Watanabe fails to disclose sharing the images with the one or more buddies selected from one or more buddy lists of the user in accordance with the access rights defined for the one or more buddies. The network service does not share the albums in accordance with defined access rights of the viewers. Rather, the network service shares the albums with viewers that input the correct password. In Watanabe, there are no access rights defined for any particular viewer. As such, Watanabe fails to disclose the recited feature of “sending information indicating at least a portion of the visited geographic location data to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights.”

Claims 33-36 and 88 (Previously Claim 96)

Claims 33-36 and 88 (previously claim 96) depend directly from claim 32. As such, since claim 32 is allowable, claims 33-36 and 88 are also allowable at least by virtue of their dependency from claim 32. However, Applicants reserve the right to further address the rejections of claims 33-36 and 88 in the future, if needed.

Claims 37-42

Claim 37 includes features similar to those of claim 32 and, as such, is allowable for at reasons similar to those discussed above with respect to claim 32. Claims 38-42 depend directly or indirectly from claim 37. As such, since claim 37 is allowable, claims 38-42 are also allowable for at least by virtue of their dependency from claim 37. However, Applicants reserve the right to further address the rejections of claims 37-42 in the future, if needed.

Claims 68-72

Claims 68-72 include features similar to those of claim 32 and, as such, are allowable for reasons similar to those discussed above with respect to claim 32. However, Applicants reserve the right to further address the rejections of claims 68-72 in the future, if needed.

Claims 73-75, 77-79, and 81-85

Claim 73 includes features similar to those of claim 32 and, as such, is allowable for at reasons similar to those discussed above with respect to claim 32. Claims 74, 75, 77-79, and 81-85 depend directly or indirectly from claim 73. As such, since claim 73 is allowable, claims 74, 75, 77-79, and 81-85 are allowable at least by virtue of their dependency from claim 73. However, Applicants reserve the right to further address the rejections of claims 73-75, 77-79, and 81-85 in the future, if needed.

Claims 87 (Previously Claim 95)

Claim 87 (previously claim 95) includes features similar to those of claim 32 and, as such, is allowable for reasons similar to those discussed above with respect to claim 32. However, Applicants reserve the right to further address the rejection of claim 87 in the future, if needed.

Rejection Under 35 U.S.C. § 103(a) - Olivier

Claims 43, 44, and 47-56 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,480,885 B1 to Olivier (hereinafter “Olivier”). Applicants respectfully traverse. The standards for obviousness are set forth above.

Before specifically addressing the rejection, a brief overview of Olivier is beneficial. Olivier discloses “[a] method for enabling users to exchange group electronic mail by establishing individual profiles and criteria, for determining personalized subsets within a group.”²⁴ In particular, Olivier teaches that “[w]hen a user subscribes, a web server establishes and stores an individualized recipient list including each matching subscriber and their degree of one-way or mutual match with the user.”²⁵ Olivier then teaches that “[w]hen the user then sends a message to the mailing list, an email server retrieves 100% [of] her matches and then optionally filters her recipient list down to a message distribution list using each recipient’s message criteria.”²⁶

²⁴ Olivier, Abstract, ll. 1-3.

²⁵ *Id.* at Abstract, ll. 6-9.

²⁶ *Id.* at Abstract, ll. 9-13.

Regarding claim 43, Olivier fails to teach the recited feature of “enabling access to one or more lists of other users to identify one or more other users with whom visited geographic location data is to be shared.” In order to show this feature of claim 43, the Patent Office merely referred to “a selected mailing list” and “emailing attached photos or location information from the mobile device” in Olivier without providing any citation to Olivier whatsoever to support these statements.²⁷ In particular, the Patent Office failed to provide any citation to Olivier to show where Olivier teaches “emailing attached photos or location information from the mobile device.” Therefore, the Patent Office has failed to meet its burden with respect to establishing a *prima facie* case of obviousness.

Olivier also fails to teach the recited feature of “enabling definition of access rights for the one or more other users to access the visited geographic location data.” In order to show this feature of claim 43, the Patent Office relied on lines 3-13 of the Abstract of Olivier, as well as column 3, lines 23-32 of Olivier. However, as discussed above, Olivier teaches that a user subscribes to an electronic mailing list by specifying user profile data and acceptance criteria that specify with whom and about what topics the user wishes to interact. Nowhere does Olivier teach defining access rights for other users to access visited geographic location data of a user.

Olivier also fails to teach the recited feature of “collecting the visited geographic location data for geographic locations visited by the location-aware device using a client-side application.” In order to show this feature of claim 43, the Patent Office simply stated “e.g., pictures taken from the mobile device or location data entered into a mail by the user are first ‘collected’ by various local applications.”²⁸ However, the Patent Office again provided no citation to Olivier to support this statement. Further, as argued above, pictures are not equivalent to visited geographic location data. Still further, the Patent Office has failed to even assert that any pictures emailed to the electronic mailing list in Olivier are collected by a location-aware device using a client-side application. As for “location data entered into a mail by the user,” such location data (even if taught by Olivier) is not visited geographic location data for geographic locations visited by a location-aware device using a client-side application (e.g., GPS coordinates collected by a GPS-equipped mobile device) as claimed.

²⁷ Office Action mailed November 12, 2013, p. 11.

²⁸ *Ibid.*

Claims 44 and 47-56 depend directly from claim 43. As such, since claim 43 is allowable, claims 44 and 47-56 are also allowable for at least the same reasons. However, Applicants reserve the right to further address the rejections of claims 44 and 47-56 in the future, if needed.

Rejection Under 35 U.S.C. § 103(a) – Watanabe and Demello

Claim 86 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Watanabe in view of Demello. Applicants respectfully traverse. The standards for obviousness are set forth above.

Claim 86 includes features similar to those of claim 32 and, as such, is allowable for at least the same reasons discussed above with respect to claim 32. However, Applicants reserve the right to further address the rejection of claim 86 in the future, if needed.

New Claims 90-96

Applicants have added new claims 90-96, which depend directly or indirectly from claim 32. New claim 90 recites that the location-aware device records the visited geographic locations using a location-fixing protocol. Claims 91-95 recite some examples of a location-fixing protocol. Support for new claims 90-95 can be found in, e.g., column 3, lines 29-38 of the original patent. As such, no new matter has been added.

Claim 32 was rejected as being anticipated by Watanabe. Importantly, pictures as taught by Watanabe are captured using a camera and not a location-fixing protocol. For at least this additional reason, claims 90-95 are allowable.

New claim 96 is a system claim that claims a system that includes a location-aware device and a tracking server. Otherwise, new claim 96 includes features similar to those in other pending claims. No new matter has been added.

Conclusion

The present application is now in condition for allowance and such action is respectfully requested. The Examiner is encouraged to contact Applicants' representative regarding any remaining issues in an effort to expedite allowance and issuance of the present application.

Respectfully submitted,
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Attorney Docket: 1116-147-RE4

Electronic Patent Application Fee Transmittal				
Application Number:		13894009		
Filing Date:		14-May-2013		
Title of Invention:		METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
First Named Inventor/Applicant Name:		Darren P. Briggs		
Filer:		R. Chad Bevins/Julie Smith		
Attorney Docket Number:		1116-147-RE4		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 2 months with \$0 paid	1252	1	600	600

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				600

Electronic Acknowledgement Receipt	
EFS ID:	18691330
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	71739
Filer:	R. Chad Bevins/Julie Smith
Filer Authorized By:	R. Chad Bevins
Attorney Docket Number:	1116-147-RE4
Receipt Date:	07-APR-2014
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Application Type:	Utility under 35 USC 111(a)

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Submitted with Payment	yes
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RAM confirmation Number	1633
Deposit Account	501732
Authorized User	BEVINS, R. CHAD
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		1116-147-RE4_Response_to_OA_mailed_11-12-13.pdf	146330 978688aebc922e8010fa76e5bac37aea2e4cd125	yes	28
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	13	
	Applicant Arguments/Remarks Made in an Amendment		14	28	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30922 ed50dafacbb01eed17398435ac4cd07d8f846680	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			177252		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 13/894,009		Filing Date 05/14/2013		☐ To be Mailed		
ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO										
APPLICATION AS FILED – PART I										
(Column 1)		(Column 2)								
FOR		NUMBER FILED		NUMBER EXTRA		RATE (\$)		FEE (\$)		
☒ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A		N/A		N/A		280		
☐ SEARCH FEE (37 CFR 1.16(k), (j), or (m))		N/A		N/A		N/A				
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A		N/A		N/A				
TOTAL CLAIMS (37 CFR 1.16(i))		minus 20 =		*		X \$ =				
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 =		*		X \$ =				
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))										
* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL		280		
APPLICATION AS AMENDED – PART II										
(Column 1)		(Column 2)		(Column 3)						
AMENDMENT	04/07/2014		CLAIMS REMAINING AFTER AMENDMENT			HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))		* 65		Minus	** 77	= 0	x \$80 =	0	
	Independent (37 CFR 1.16(h))		* 22		Minus	***22	= 0	x \$420 =	0	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
								TOTAL ADD'L FEE	0	
(Column 1)		(Column 2)		(Column 3)						
AMENDMENT			CLAIMS REMAINING AFTER AMENDMENT			HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))		*		Minus	**	=	X \$ =		
	Independent (37 CFR 1.16(h))		*		Minus	***	=	X \$ =		
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
								TOTAL ADD'L FEE		
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.										

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/894,009	05/14/2013	Darren P. Briggs	1116-147-RE4	4762
71739 7590 05/13/2014 Concert Technology Corporation 5400 Trinity Road, Suite 303 Raleigh, NC 27607			EXAMINER LIN, WEN TAI	
			ART UNIT 2454	PAPER NUMBER
			MAIL DATE 05/13/2014	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 13/894,009	Applicant(s) BRIGGS ET AL.	
	Examiner WEN-TAI LIN	Art Unit 2454	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on 4/7/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.

3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☒ Claim(s) 32-96 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☒ Claim(s) 32-44, 47-57, 59-60, 68-79, 81-90 and 96 is/are rejected.

8) ☒ Claim(s) 45, 46, 58, 61-67, 80 and 91-95 is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10) ☐ The specification is objected to by the Examiner.

11) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some** c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

4) ☐ Other: _____.

DETAILED ACTION

1. Claims 32-96 are presented for examination.
2. The present application is being examined under the pre-AIA first to invent provisions.
3. The text of those sections of Title 35, USC code not included in this action can be found in the prior Office Action.

Claim Rejections - 35 USC § 102

4. Claims 57, 59-60 and 72 are rejected under 35 U.S.C. 102(e) as being anticipated by Demello et al. [U.S. PGPub 20010036224].
5. As to claim 57, Demello discloses a non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration [e.g., para 0005] server to:
 - enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared [e.g., para 0001: "Herein, targeted data
 - includes advertising, alerts, messages, images and any other type of information or content that may be targeted to a class
 - or group of persons, that may be delivered in text, video or graphic formats and also includes applications."];
 - enable definition of access rights for the one or more other users to enable

access to the visited geographic location data [e.g., 0090-0091, 0051: “The system establishes a user privacy management frame work that enables differentiated access to the user related

Information ... ”];

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application [e.g., 0084: “The registration procedure requires active wireless transceivers to report their location in the wireless network, indicating their current whereabouts.”]; and report information indicating at least a portion of the visited geographic location data to a tracking server [e.g., para 0084-0085, 0123].

6. As to claim 59, Demello discloses the computer-readable medium of claim 57 wherein in order to collect the visited geographic location data, the software further instructs the controller of the location-aware device to automatically and passively record the data defining the geographic locations visited by the location-aware device [e.g., 0085].
7. As to claim 60, Demello discloses the computer-readable medium of claim 59 wherein in order to report the information indicating the at least a portion of the visited geographic location data, the software further instructs the controller of the location-aware device to automatically and passively report the information indicating the at least a portion of the visited geographic location data [e.g., 0039].

8. As to claim 72, since the features of this claim can also be found in claims 57, it is rejected for the same reasons set forth in the rejection of claims 57 above.

Claim Rejections – 35 USC § 103

9. Claims 32-42, 68-71, 73, 79, 81-85, 87-88 and 90 are rejected under 35 U.S.C. 103(a) as being unpatentable over Watanabe et al. (hereafter "Watanabe") [U.S. Pat. No. 6578072].
10. As to claim 32, Watanabe teaches the invention substantially as claimed including: a computer-implemented method of sharing computer usage experiences, including:
- sending registration information of a user to a registration server to collect and share visited geographic location data [e.g., image taken at various geographical landmarks during a trip] using a client-side application while visiting geographic locations with a location-aware device [e.g., a camera] that records the visited geographic locations [e.g., Abstract; col. 2, lines 24-67; i.e., images taken during a trip (to certain geographic locations), wherein the sending, registering, collecting of images all involve the use of client-side application];
 - enabling access to one or more lists of other users to identify one or more buddies with whom the visited geographic location data may be shared [e.g., col. 2, lines 49-54; Figs. 3-5];
 - enabling definition of rights of the one or more buddies to access the visited

geographic location data [e.g., col. 4, lines 20-27; col. 7, lines 8-59]; and sending information indicating at least a portion of the visited geographic location data to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights [e.g., Fig. 6; col. 8, lines 38-53].

Although Watanabe does not specifically teach the list of other users being allowed to access the visited geographic location data includes messaging buddy lists, it is obvious, however, that messaging buddies are one important group of people that the user has kept relationship with. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have shared some of the pictures to the user's messaging buddies because it's the user's choice to do so.

11. As to claims 33 and 35, Watanabe does not specifically teach that the visited geographic location data comprises the visited geographic locations and assignment of a rating and/or emoticon to the visited geographic locations. However, Watanabe teaches that each image is associated with an owner's comment field and a free comment area for viewers [e.g., Fig. 8; col. 4, lines 4-9]. It is typical that people tend to express their preferences about the pictures they see by commenting which one is good or best in their comments or by way of assigning the popular emoticon. As such, it is obvious to an ordinary skilled artisan to extend the use of Watanabe's comment fields to encourage assigning rating or emoticon as token to textual comment to the posted pictures, each

representing a geographic location containing all sort of information in an image, because the comment area provides a statistical platform for free expression and assigning rating and/or emoticon is just one of the options.

12. As to claim 34, Watanabe discloses the method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a comment on the visited geographic locations [e.g., Fig. 8; col. 4, lines 4-9].

13. As to claim 36, Watanabe is silent about enabling receipt and display of advertising information.

However, since the posted pictures are displayed on an Internet website, a browser has the capability of displaying whatever advertisement (including banners) is included in a webpage a user is viewing. Thus, it is obvious to an ordinary skilled artisan that Watanabe's website may optionally display its owner's advertisement along with the posted pictures because it attracts more customers to use the same photo processing & services.

14. As to claims 37-42, 68-71 and 73, since the features of these claims can also be found in claims 32-34 and 36, they are rejected for the same reasons set forth in the rejection of claims 32-34 and 36 above.

15. As to claim 83, Watanabe discloses the method of claim 73, further comprising:
presenting information to the client-side application based on information received regarding the geographic locations visited by the location-aware device [e.g., Fig. 3].

16. As to claim 84, Watanabe discloses the method of claim 73, further comprising:

downloading client software to the location-aware device [e.g.,].

17. As to claim 85, Watanabe discloses the method of claim 73, further comprising:

aggregating information received from the location-aware device with
information from the one or more other users [i.e., inherently the user may
browse the various images that have been commented by other users].

18. As to claims 79, 81-82, 87-88 and 90, since the features of these claims can also
be found in claims 32-33 and 73, they are rejected for the same reasons set forth
in the rejection of claims 32-33 and 73 above.

19. Claims 43-44 and 47-56 are rejected under 35 U.S.C. 103(a) as being
unpatentable over Olivier [U.S. Pat. No. 6480885].

20. As to claim 43, Olivier teaches the invention substantially as claimed including: a
method of operation of a device that is able to browse to a website for registering
as a community member along with a user profile. Olivier does not specifically
restrict the device to be a location-aware device (i.e., is able to provide
information relating to user's visited geographic location). However, it is clear that
any device that is able to browse Olivier's registration server and compose email
message and communicate with email server satisfies the basic requirement.
Since a camera-equipped mobile device is rather popular at the time the
invention was made, it would have been obvious to an ordinary skilled artisan
that a user may optionally use a camera-equipped mobile device (such as a cell

phone) [see col. 22, lines 22-31 for further motivation] to perform the functions described below:

sending registration information to a registration server from the location-aware device [e.g., Fig. 4; col. 7, lines 29-33; i.e., use the mobile device to register as a community member in a service provider's website];

enabling access to one or more lists of other users to identify one or more other users [e.g., a selected mailing list] with whom visited geographic location data is to be shared [e.g., emailing attached photos or location information from the mobile device];

enabling definition of access rights for the one or more other users to access the visited geographic location data [e.g., Abstract: lines 3-13; col. 3, lines 23-32];

collecting the visited geographic location data for geographic locations visited by the location-aware device using a client-side application [e.g., pictures taken from the mobile device or location data entered into a mail by the user are first "collected" by various local applications]; and

reporting information indicating at least a portion of the visited geographic location data collected by the location-aware device [e.g., emails are sent out to an email recipient list via a server].

21. As to claim 44, Olivier discloses the method of claim 43 wherein enabling the definition of the access rights for the one or more other users comprises receiving, via a user interface of the location-aware device, input that defines at least one user of the one or more other users from the one or more lists of other

users that is to have access to the visited geographic location data [e.g., col. 3, lines 35-67; note that the archived emails are each accessible by their respective recipient list].

22. As to claims 47-48, Olivier discloses the method of claim 43 wherein the definition of the access rights for the one or more other users to access the visited geographic location data comprises, for each other user of at least a subset of the one or more other users, receiving, via a user interface of the location-aware device, input that defines one or more categories of the visited geographic location data to be shared with the other user [e.g., in Olivier's system a member has the freedom to define different lists of members (via different criteria) to receive different set of geographic location data (such as pictures taken from a trip or traveling information in a mail) to receive the mailed data and subsequently access to respective archived data].

23. As to claim 49, Olivier discloses the method of claim 43 wherein reporting the information indicating the at least a portion of the visited geographic location data comprises reporting the information indicating the at least a portion of the visited geographic location data to the registration server [e.g., Fig. 3B, wherein a user can optionally write any travel experience regarding the visited locations in an email and shared it to any designated group of mail recipients, which eventually arrives at the database server, where the registration data is stored (348, Fig. 3B)].

24. As to claim 50, Olivier discloses the method of claim 43 wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device col. 22, lines 22-31].

25. As to claim 51, Olivier is silent about maintaining the one or more lists of other users comprises a contact list by the location-aware device. However, Olivier's mailing list can be represented by alias names (such as NEIGHBORS in Fig. 8). Thus, it is obvious that a user's aliases may be maintained locally storing it in an accessible local file, or simply looking up in a local log (such as phone log or text message log in a cell phone) because it serves as a good reminder when one has a plurality of mailing list to remember.

26. As to claim 52, Olivier discloses the method of claim 43 wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device [e.g., 502, 504, Fig. 8, wherein the NEIGHBORS@LOCAL2ME.COM is a mailing list shared among the neighbors forming a particular group].

27. As to claims 53 and 55, Olivier does not specifically teach that the visited geographic location data further defines ratings or emoticons assigned to one or more of the geographic locations visited by the location-aware device.

However, it is customary that a user may use simplified symbols such as ratings or emoticons to convey his/her opinion/impression about a visited location. Thus, it is obvious that Olivier's system allows a user to use any

available emoticons or symbols to briefly convey certain message in an email or instant message because (1) it is a design choice; and (2) this type of symbols is available at the time the invention was made.

28. As to claim 54, Olivier discloses the method of claim 43 wherein the visited geographic location data further defines comments on one or more of the geographic locations visited by the location-aware device [Note that this is an inherent feature of Olivier's system; i.e., the email sender may request comments, while the email recipients may respond with appropriate comments].

29. As to claim 56, Olivier discloses the method of claim 43, further comprising:
enabling receipt and display of advertising information [e.g., col. 17, lines 40-43].

30. Claims 74-78 are rejected under 35 U.S.C. 103(a) as being unpatentable over Watanabe et al. (hereafter "Watanabe")[U.S. Pat. No. 6578072], as applied to claims 32-42, 68-71, 73, 79, 81-85, 87-88 and 90 above, and further in view of Olivier [U.S. Pat. No. 6480885], as applied to claims 43-44 and 47-56 above.

31. As to claims 74-78, since the features of these claims can also be found in claims 43, 47-48, 50-52 and 73, they are rejected for the same reasons set forth in the rejection of claims 43, 47-48, 50-52 and 73 above.

32. Claim 86 is rejected under 35 U.S.C. 103(a) as being unpatentable over Watanabe et al. (hereafter "Watanabe")[U.S. Pat. No. 6578072], as applied to

claims 32-42, 68-71, 73-79, 81-85, 87-88 and 90 above, and further in view of Demello et al. (hereafter "Demello")[U.S. PGPub 20010036224], as applied to claims 57, 59-60 and 72 above.

33. As to claim 86, Watanabe does not specifically teach

sending the registration information to the location-aware device which includes contractual terms which limit the use of information collected from the user of the location-aware device.

However, Demello is aware of protecting user's privacy by implementing various procedure to prevent personal data being compensated [e.g., para 0091]. Additionally, contractual terms that limit the abuse of personal information is typically conveyed to a user at the time of registration (for example when a mobile phone user picks a wireless carrier).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to protect user's privacy with legal binding because it reinforces data security when technological solution might fail.

34. Claims 89 and 96 are rejected under 35 U.S.C. 103(a) as being unpatentable over Watanabe et al. (hereafter "Watanabe")[U.S. Pat. No. 6578072], as applied to claims 32-42, 68-71, 73-79, 81-88 and 90 above and Olivier [U.S. Pat. No. 6480885], as applied to claims 43-44, 47-56 and 74-78 above, and further in view of Demello et al. (hereafter "Demello")[U.S. PGPub 20010036224], as applied to claims 57, 59-60, 72 and 86 above.

35. As to claims 89 and 96, since the features of these claims can also be found in claims 57 and 71, they are rejected for the same reasons set forth in the rejection of claims 57 and 71 above.
36. Claims 45-46, 58, 61-67, 80 and 91-95 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
37. Applicant's arguments filed on 4/7/2014 for claims 32-89 have been fully considered but they are not deemed to be persuasive.
38. Initially, Applicant is reminded that the claims of the instant application has been substantially broadened in at least two aspects: (A) there is no longer a requirement for collecting and tracking of user's interactions with a computer passively and automatically; and (B) only one member of a buddy list or others is needed in the definition of access right. Thus, with (A), a user can proactively send out computer/device related experiences (e.g., in terms of information, data, image, or video) for sharing with others. And, with (B), choosing a target recipient of the sharable experiences would meet the requirement stated in the clause of "enabling definition of rights of the one or more ..." That is, the so called "access right" is implicitly defined in the process of given an account ID and password to a granted person(s) (see Wanatabe) or sending information via an email to a recipient (see Olivier). Furthermore, because of (A), the so called client-side application can be mapped to a local browser, with which a user may perform

most of the method steps (registration, collection, defining access rights, tracking and/or reporting, etc.) by interacting with remote servers on one or more websites.

39. (i) With respect to arguments relating to claim 32: Wanatabe is a proper prior art because there is no need for the photos to be collected passively at the client side and the assignment of albums to different buddies implies that film-processed images have been returned to the user and resubmit (as an initial collection of geographic location data in terms of images).

(ii) With respect to arguments relating to claim 43: Olivier is a proper prior art because it is obvious that a registered member of a mutually defined community in Olivier's system may use a cell phone to send mails to other members reporting his/her whereabouts, sharing geographic location related images or videos taken from a trip. Again, in view of the broadened aspects (A) and (B) above, the access right definition is implied in the process of forming a community (e.g., via various selection criteria). Applicant is further noted that Olivier further teaches that email archives are also made accessible to members on the mailing list [col. 3, lines 23-32].

(iii) With respect to arguments relating to claim 57 (see pages 16-17 in the Remarks): Applicant appears to contest that Demello's location information appears between the mediation server (19) and the profiling server (21), therefore the sharing is not between authorized people. Applicant is reminded

that although the feature of “enables differentiated access” may be implemented by granting different access rights of the collected location data to different servers, the final destinations of the various categories of data are differentiated among the operating parties of the respective servers [see para 0033 and 0090-91].

(iv) With respect to the newly added limitation requiring that the location-aware device records the visited geographic locations using location-fixing protocol: It is noted that the term “location-fixing protocol” is not a publically recognized terminology. And it appears in Applicant’s specification only at col. 3, lines 31-38, wherein the location fixing protocol is described as including GPS, DGPS, or Loran, but may also be based on “any other protocol”. Such an open-ended description can only be broadly interpreted as techniques that deliver position data from acquired information.

(v) With respect to the arguments relating to the examiner’s objection on claims 69, 81 and 83: Applicant’s arguments have overcome the objection, and therefore the objection on claims 69, 81 and 83 is withdrawn. However, in the instant office action, the client-side application is mapped to a local browser, by which all sort of locally described activities or method steps may be implemented together with any remote servers (including human interactions, due to the fact that there is no need for passiveness and automation).

40. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Conclusion

Examiner note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the contest of the passage as taught by the prior art or disclosed by the Examiner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wen-Tai Lin whose telephone number is (571)272-3969 and whose email address is Wen-Tai.Lin@USPTO.GOV. The examiner can normally be reached on Monday-Friday (8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph E. Avellino can be reached on (571)272-3905. The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

(571) 273-8300 for official communications; and

Art Unit: 2454

(571) 273-3969 for status inquires draft communication.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/WEN-TAI LIN/

Primary Examiner, Art Unit 2454

May 10, 2014.

<i>Index of Claims</i> 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
	Examiner WEN-TAI LIN	Art Unit 2454

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant				☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE							
Final	Original	11/08/2013	05/10/2014						
	1	-	-						
	2	-	-						
	3	-	-						
	4	-	-						
	5	-	-						
	6	-	-						
	7	-	-						
	8	-	-						
	9	-	-						
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	26	-	-						
	27	-	-						
	28	-	-						
	29	-	-						
	30	-	-						
	31	-	-						
	32	✓	✓						
	33	✓	✓						
	34	✓	✓						
	35	✓	✓						
	36	✓	✓						

<i>Index of Claims</i> 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
	Examiner WEN-TAI LIN	Art Unit 2454

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant				☐ CPA				☐ T.D.				☐ R.1.47			
CLAIM		DATE													
Final	Original	11/08/2013	05/10/2014												
	37	✓	✓												
	38	✓	✓												
	39	✓	✓												
	40	✓	✓												
	41	✓	✓												
	42	✓	✓												
	43	✓	✓												
	44	✓	✓												
	45	O	O												
	46	O	O												
	47	✓	✓												
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	65	O	O												
	66	O	O												
	67	O	O												
	68	✓	✓												
	69	✓	✓												
	70	✓	✓												
	71	✓	✓												
	72	✓	✓												

<i>Index of Claims</i> 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
	Examiner WEN-TAI LIN	Art Unit 2454

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant				☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE							
Final	Original	11/08/2013	05/10/2014						
	73	✓	✓						
	74	✓	✓						
	75	✓	✓						
	76	○	✓						
	77	✓	✓						
	78	✓	✓						
	79	✓	✓						
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	98	÷							
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	100	÷							
	101	÷							
	102	÷							
	103	÷							
	104	÷							
	105	÷							
	106	÷							
	107	÷							
	108	✓							

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	13894009
	Filing Date	2013-05-14
	First Named Inventor	Darren P. Briggs
	Art Unit	2454
	Examiner Name	Wen Tai Lin
	Attorney Docket Number	1116-147-RE4

U.S.PATENTS							Remove	
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
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If you wish to add additional U.S. Patent citation information please click the Add button.							Add	
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							☐
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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.						T ⁵

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13894009
	Filing Date		2013-05-14
	First Named Inventor	Darren P. Briggs	
	Art Unit	2454	
	Examiner Name	Wen Tai Lin	
Attorney Docket Number		1116-147-RE4	

1	Final Office Action for U.S. Patent Application No. 13/893,992 mailed February 21, 2014, 20 pages	☐
2	Advisory Action for U.S. Patent Application No. 13/893,992 mailed May 8, 2014, 3 pages	☐
If you wish to add additional non-patent literature document citation information please click the Add button Add		
EXAMINER SIGNATURE		
Examiner Signature		Date Considered
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	13894009
	Filing Date	2013-05-14
	First Named Inventor	Darren P. Briggs
	Art Unit	2454
	Examiner Name	Wen Tai Lin
	Attorney Docket Number	1116-147-RE4

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/R. Chad Bevins/	Date (YYYY-MM-DD)	2014-05-13
Name/Print	R. Chad Bevins	Registration Number	51468

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal				
Application Number:		13894009		
Filing Date:		14-May-2013		
Title of Invention:		METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
First Named Inventor/Applicant Name:		Darren P. Briggs		
Filer:		R. Chad Bevins/Ross Trevor		
Attorney Docket Number:		1116-147-RE4		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Electronic Acknowledgement Receipt	
EFS ID:	19029937
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	71739
Filer:	R. Chad Bevins/Ross Trevor
Filer Authorized By:	R. Chad Bevins
Attorney Docket Number:	1116-147-RE4
Receipt Date:	14-MAY-2014
Filing Date:	14-MAY-2013
Time Stamp:	13:59:40
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	225
Deposit Account	501732
Authorized User	BEVINS, R. CHAD
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	1116-147-RE4_IDS_4-22-14.pdf	612272 6d14281c20aa911d49380d60a8df80265de889f	no	4
Warnings:					
Information:					
A U.S. Patent Number Citation or a U.S. Publication Number Citation is required in the Information Disclosure Statement (IDS) form for autoloading of data into USPTO systems. You may remove the form to add the required data in order to correct the Informational Message if you are citing U.S. References. If you chose not to include U.S. References, the image of the form will be processed and be made available within the Image File Wrapper (IFW) system. However, no data will be extracted from this form. Any additional data such as Foreign Patent Documents or Non Patent Literature will be manually reviewed and keyed into USPTO systems.					
2	Other Reference-Patent/App/Search documents	13893992_OAF_2-21-14.pdf	657882 aa7cbd017743742e7c8b94ea22bb234be2c32274	no	20
Warnings:					
Information:					
3	Other Reference-Patent/App/Search documents	13893992_AA_05-08-14.pdf	305485 c6c01ebcd496c61abbcdbd0c97492c4afc5c666	no	3
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	30640 efe58dddc4903244f6e79f686997cb2c9efc9dfe	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			1606279		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

CHANGE OF CORRESPONDENCE ADDRESS <i>Application</i> Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Application Number	13/894,009
	Filing Date	5/14/2013
	First Named Inventor	Darren P. Briggs
	Art Unit	2454
	Examiner Name	Wen Tai Lin
	Attorney Docket Number	1116-147-RE4

Please change the Correspondence Address for the above-identified patent application to:

☒ The address associated with Customer Number: 119000

OR

☐ Firm or Individual Name

Address

City State Zip

Country

Telephone Email

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the:

☐ Applicant

☒ Attorney or agent of record. Registration Number 51,468.

☐ Registered practitioner named in the application transmittal papers who acts in a representative capacity under 37 CFR 1.34. See 37 CFR 1.33(a)(1). Registration Number _____.

Signature /R. Chad Bevins/

Typed or Printed Name R. Chad Bevins

Date March 21, 2014 Telephone 919-238-2300

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:



Practitioners associated with the Customer Number:

119000

OR



Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

119000

OR

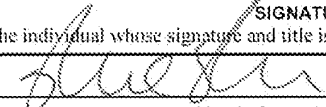
☐ Firm or Individual Name			
Address			
City		State	Zip
Country			
Telephone		Email	

Assignee Name and Address:

Tena Technology, LLC
1000 North West Street, Suite 1200
Wilmington, DE 19801

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record
The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	3/13/2014
Name	Hugh Svendsen	Telephone	919-433-1845
Title	Member		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Darren P. Briggs et al.

Application No./Patent No.: 13/894,009 Filed/Issue Date: 5/14/2013

Titled: **METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES**

Tena Technology, LLC, a limited liability company

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 024575, Frame 0328, or for which a copy therefore is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

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☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (*i.e.*, a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/R. Chad Bevins/

Signature

March 21, 2014

Date

R. Chad Bevins

Printed or Typed Name

Attorney of Record

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Electronic Acknowledgement Receipt	
EFS ID:	19281611
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	71739
Filer:	R. Chad Bevins/Julie Smith
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File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Change of Address	1116-147- RE4_Change_of_Corresponden ce_Address.PDF	249537 eb82296bc9407900679b598ad0a37758f7d b002f	no	2
Warnings:					
Information:					

2	Power of Attorney	1116-147- RE4_Tena_General_POA_1190 00.pdf	325256 07a71137d9c54672e2e8cf468e4a31bd324 048d0	no	1
Warnings:					
Information:					
3	Assignee showing of ownership per 37 CFR 3.73.	1116-147- RE4_Statement_Under_37CFR3 -73b.PDF	423170 94dcbed131a6d35f2473760e456ef329aac9 cbe1	no	2
Warnings:					
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Total Files Size (in bytes):				997963	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Darren P. Briggs et al.

Serial No. 13/894,009

Filed: 5/14/2013

Attorney Docket No. 1116-147-RE4

For: **METHOD AND APPARATUS FOR SELECTIVELY SHARING AND
PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES**

Examiner: Wen Tai Lin

Art Unit: 2454

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Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Sir:

RESPONSE TO THE FINAL OFFICE ACTION MAILED MAY 13, 2014

In response to the Final Office Action mailed May 13, 2014, Applicants offer the following amendments and remarks. Applicants enclose a payment in the amount of \$840 to cover the fee associated with the addition of 2 independent claims. If any additional fees are required in association with this response, the Director is hereby authorized to charge them to Deposit Account 50-1732, and consider this a petition therefor.

In the Claims:

1-31. (Cancelled)

32. (Twice Amended) A computer-implemented method of sharing computer usage experiences, including:

[registering] sending registration information of a user [with] to a registration server to collect and share visited geographic location data using a client-side application [collected] while visiting [a] geographic locations [location] with a location-aware device that records the visited geographic locations using a satellite-based location fixing protocol;

[accessing] enabling access to one or more [of the user's] messaging buddy lists of the user to identify one or more buddies with whom the [tracking data] visited geographic location data may be shared;

[defining] enabling definition of rights of the one or more buddies to access the visited geographic location data; and

[posting] sending information indicating at least a portion of the [user's] visited geographic location data [for the buddies to access according to their defined rights] to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights.

33. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a rating assigned to the visited geographic locations.

34. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a comment on the visited geographic locations.

35. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and an emoticon assigned to the visited geographic locations.

36. The method of claim 32, further comprising:
enabling receipt and display of advertising information.

37. A non-transitory computer-readable medium storing software for instructing a controller of a computing device to:

send registration information of a user to a registration server to collect and share visited geographic location data using a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations using a satellite-based location-fixing protocol;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

enable definition of rights of the one or more other users to access the visited geographic location data; and

send information indicating at least a portion of the visited geographic location data to a tracking server.

38. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and a rating assigned to the geographic locations.

39. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and a comment on the geographic locations.

40. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and a rating assigned to the geographic locations.

41. The computer-readable medium of claim 37 wherein the software further instructs the controller of the computing device to display advertising.

42. The computer-readable medium of claim 41 wherein the advertising is capable of moving.

43. A method of operation of a location-aware device comprising:

sending registration information to a registration server from the location-aware device;

enabling access to one or more lists of other users to identify one or more other users with whom visited geographic location data is to be shared;

enabling definition of access rights for the one or more other users to access the visited geographic location data;

collecting the visited geographic location data for geographic locations visited by the location-aware device using a client-side application, the location-aware data comprising data recorded by the location-aware device using a satellite-based location-fixing protocol; and

reporting information indicating at least a portion of the visited geographic location data collected by the location-aware device.

44. The method of claim 43 wherein enabling the definition of the access rights for the one or more other users comprises receiving, via a user interface of the location-aware device, input that defines at least one user of the one or more other users from the one or more lists of other users that is to have access to the visited geographic location data.

45. The method of claim 43 further comprising automatically and passively recording the data defining the geographic locations visited by the location-aware device.

46. The method of claim 45 wherein reporting the information indicating the at least a portion of the visited geographic location data comprises automatically and passively reporting the information indicating the at least a portion of the visited geographic location data.

47. The method of claim 43 wherein the definition of the access rights for the one or more other users to access the visited geographic location data comprises, for each other user of at least a subset of the one or more other users, receiving, via a user interface of the location-aware device, input that defines one or more categories of the visited geographic location data to be shared with the other user.

48. The method of claim 43 wherein the definition of the access rights for the one or more other users to access the visited geographic location data comprises, for each category of at least a subset of a plurality of categories of the visited geographic location data, receiving, via a user

interface of the location-aware device, input that defines at least one other user of the one or more other users to have access to the category of the visited geographic location data.

49. The method of claim 43 wherein reporting the information indicating the at least a portion of the visited geographic location data comprises reporting the information indicating the at least a portion of the visited geographic location data to the registration server.

50. The method of claim 43 wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device.

51. The method of claim 43 wherein the one or more lists of other users comprises a contact list maintained by the location-aware device.

52. The method of claim 43 wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device.

53. The method of claim 43 wherein the visited geographic location data further defines ratings assigned to one or more of the geographic locations visited by the location-aware device.

54. The method of claim 43 wherein the visited geographic location data further defines comments on one or more of the geographic locations visited by the location-aware device.

55. The method of claim 43 wherein the visited geographic location data further defines emoticons assigned to one or more of the geographic locations visited by the location-aware device.

56. The method of claim 43, further comprising:
enabling receipt and display of advertising information.

57. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application, the location-aware data comprising data recorded by the location-aware device using a satellite-based location-fixing protocol; and

report information indicating at least a portion of the visited geographic location data to a tracking server.

58. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein in order to enable the definition of the access rights for the one or more other users to access the visited geographic location data, the software further instructs the controller of the location-aware device to receive, via a user interface of the location-aware device, input that defines at least one user of the one or more other users from the one or more lists of other users that is to have access to the visited geographic location data.

59. The computer-readable medium of claim 57 wherein in order to collect the visited geographic location data, the software further instructs the controller of the location-aware device to automatically and passively record the data defining the geographic locations visited by the location-aware device.

60. The computer-readable medium of claim 59 wherein in order to report the information indicating the at least a portion of the visited geographic location data, the software further instructs the controller of the location-aware device to automatically and passively report the information indicating the at least a portion of the visited geographic location data.

61. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein in order to enable the definition of the access rights for the one or more other users to access the visited geographic location data, the software further instructs the controller of the location-aware device to, for each other user of at least a subset of the one or more other users, receive, via a user interface of the location-aware device, input that defines one or more categories of the visited geographic location data that can be shared with the other user.

62. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device.

63. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:
enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;
enable definition of access rights for the one or more other users to enable access to the visited geographic location data;
collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and
report information indicating at least a portion of the visited geographic location data to a tracking server;
wherein the one or more lists of other users comprises a contact list maintained on the location-aware device.

64. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:
enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;
enable definition of access rights for the one or more other users to enable access to the visited geographic location data;
collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and
report information indicating at least a portion of the visited geographic location data to a tracking server;
wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device.

65. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein the visited geographic location data further defines ratings assigned to one or more of the geographic locations visited by the location-aware device.

66. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein the visited geographic location data further defines comments on one or more of the geographic locations visited by the location-aware device.

67. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and
report information indicating at least a portion of the visited geographic location data to a tracking server;
wherein the visited geographic location data further defines emoticons assigned to one or more of the geographic locations visited by the location-aware device.

68. A method of operation of a server to share computer usage experiences, comprising the following computer-implemented steps:

receiving, at the server, a registration for automatic client-side collection and sharing of visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations using a satellite-based location-fixing protocol;

enabling access to one or more messaging buddy lists and selection of one or more buddies with whom the visited geographic location data may be shared from the one or more messaging buddy lists;

obtaining defined rights of the one or more buddies to access the visited geographic location data; and

reporting information indicating at least a portion of the visited geographic location data for the one or more buddies to access according to the rights defined for the one or more buddies.

69. A method of operation of a client-side application including:

sending registration information to a registration server to collect and share visited geographic location data using the client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations using a satellite-based location-fixing protocol;

enabling identification of one or more buddies with whom the visited geographic location data may be shared from one or more messaging buddy lists;

enabling definition of rights of the one or more buddies to access the visited geographic location data; and

reporting information indicating at least a portion of the visited geographic location data to a tracking server.

70. A non-transitory computer-readable medium storing software for instructing a controller of a registration and tracking server to:

receive, at the registration and tracking server, a registration to collect and share visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the geographic locations using a satellite-based location-fixing protocol;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

obtain defined rights of the one or more other users to access the visited geographic location data; and

report information indicating at least a portion of the visited geographic location data for the one or more other users to access according to the rights defined for the one or more other users.

71. A non-transitory computer-readable medium storing software for instructing a controller of a device to:

communicate with a registration server to register with the registration server to collect visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the geographic locations using a satellite-based location-fixing protocol;

enable a user to select one or more other users with whom the visited geographic location data may be shared from one or more lists of other users;

enable the user to define rights of the one or more other users to access the visited geographic location data; and

report information indicating at least a portion of the visited geographic location data for the one or more other users to a tracking server.

72. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that has registered with a registration server to:

enable identification of one or more other users with whom visited geographic location data is to be shared from one or more lists of other users;

enable definition of access rights for the one or more other users to allow for access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device, the visited geographic location data comprising data that defines the geographic locations visited by the location-aware device and recorded by the location-aware device using a satellite-based location-fixing protocol; and

report information indicating at least a portion of the visited geographic location data.

73. A method of operation of a server computer comprising:

receiving registration information from a location-aware device;

receiving information indicating visited geographic location data from the location-aware device, the visited geographic location data being data defining geographic locations collected at the location-aware device from a client-side application, wherein the location-aware device records the geographic locations using a satellite-based location-fixing protocol;

obtaining access rights for one or more other users to allow for access to the visited geographic location data, the one or more other users being one or more other users from one or more lists of other users with whom the visited geographic location data is to be shared; and

sharing at least a portion of the visited geographic location data with the one or more other users according to the access rights defined for the one or more other users.

74. The method of claim 73 wherein the access rights for the one or more other users to access the visited geographic location data comprises, for each other user of at least a subset of the one or more other users, information that defines one or more categories of the visited geographic location data to be shared with the other user.

75. The method of claim 73 wherein the access rights for the one or more other users to access the visited geographic location data comprises, for each category of at least a subset of a

plurality of categories of the visited geographic location data, information that defines at least one other user of the one or more other users to have access to the category of the visited geographic location data.

76. The method of claim 73 wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device.

77. The method of claim 73 wherein the one or more lists of other users comprises a contact list maintained on the location-aware device.

78. The method of claim 73 wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device.

79. The method of claim 73 further comprising:
quantifying relative influence of at least one user on other users.

80. A method of operation of a server computer comprising:
receiving registration information from a location-aware device;
receiving information indicating visited geographic location data from the location-aware device, the visited geographic location data being data defining geographic locations collected at the location-aware device from a client-side application;
obtaining access rights for one or more other users to allow for access to the visited geographic location data, the one or more other users being one or more other users from one or more lists of other users with whom the visited geographic location data is to be shared;
sharing at least a portion of the visited geographic location data with the one or more other users according to the access rights defined for the one or more other users; and
quantifying relative influence of at least one user on other users;
wherein quantifying the relative influence of the at least one user includes a frequency metric.

81. The method of claim 73, further comprising:

offering up to the client-side application context sensitive information associated with the geographic locations visited by the location-aware device.

82. The method of claim 81, wherein the context sensitive information may include ratings of the geographic locations visited by the location-aware device.

83. The method of claim 73, further comprising:
presenting information to the client-side application based on information received regarding the geographic locations visited by the location-aware device.

84. The method of claim 73, further comprising:
downloading client software to the location-aware device.

85. The method of claim 73, further comprising:
aggregating information received from the location-aware device with information from the one or more other users.

86. The method of claim 73, further comprising:
sending the registration information to the location-aware device which includes contractual terms which limit the use of information collected from the user of the location-aware device.

87. A non-transitory computer-readable medium storing software for instructing a controller of a server to:
receive a registration to collect and share visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the geographic locations using a satellite-based location-fixing protocol;
enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;
obtain defined rights of the one or more other users to access the visited geographic location data; and

report information indicating at least a portion of the visited geographic location data for the one or more other users to access according to the rights defined for the one or more other users.

88. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a thumbs up rating assigned to the visited geographic locations.

89. A location-aware mobile device having a controller and memory, wherein the controller is configured to:

send location information to a server while visiting geographic locations, the location information comprising geographic data recorded by the location-aware mobile device using a satellite-based location-fixing protocol;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

enable definition of rights of the one or more other users to access the visited geographic location data; and

send information indicating at least a portion of the visited geographic location data to a server.

90. The computer-implemented method of claim 32 wherein the satellite-based location-fixing protocol is selected from a group consisting of: a GPS protocol and a DGPS protocol.

91. A computer-implemented method of sharing computer usage experiences, including:

sending registration information of a user to a registration server to collect and share visited geographic location data using a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations using a terrestrial-radio-based location fixing protocol;

enabling access to one or more messaging buddy lists of the user to identify one or more buddies with whom the visited geographic location data may be shared;

enabling definition of rights of the one or more buddies to access the visited geographic location data; and

sending information indicating at least a portion of the visited geographic location data to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights.

92. The computer-implemented method of claim 91 wherein the terrestrial-radio-based location-fixing protocol is a LORAN protocol.

93. A computer-implemented method of sharing computer usage experiences, including:

sending registration information of a user to a registration server to collect and share visited geographic location data using a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations using a triangulation-based location fixing protocol;

enabling access to one or more messaging buddy lists of the user to identify one or more buddies with whom the visited geographic location data may be shared;

enabling definition of rights of the one or more buddies to access the visited geographic location data; and

sending information indicating at least a portion of the visited geographic location data to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights.

94. A system for collecting and sharing visited geographic location data, comprising:

- a location-aware device adapted to:
 - record geographic location data while visiting geographic locations using a satellite-based location-fixing protocol;
 - enable access to one or more lists of other users to identify one or more other users with whom the geographic location data may be shared;
 - enable definition of rights of the one or more other users to access the geographic location data; and
 - send at least a portion of the geographic location data to a tracking server; and
- the tracking server adapted to:

- receive the at least a portion of the geographic location data from the location-aware device; and
- share the at least a portion of the geographic location data with the one or more other users in accordance with the rights of the one or more other users.

REMARKS

Applicants have carefully reviewed the Final Office Action mailed May 13, 2014 and offer the following remarks to accompany the above amendments.

Status of the Claims

Claims 32-96 were previously pending. Previous claims 90 and 91 are cancelled herein and previous claims 92-96 have been renumbered as claims 90-94. No claims are added herein. Accordingly, claims 32-94 remain pending.

Allowable Subject Matter

Applicants would like to thank the Examiner for indicating that previous claims 45, 46, 58, 61-67, 80, and 91-95 would be allowable if rewritten in independent form.

Applicants have amended claims 32, 37, 43, 57, 68-73, 87, 89, and 94 (previously claim 96) to incorporate the allowable subject matter of previous claim 91. As such, claims 32, 37, 43, 57, 68-73, 87, 89, and 94 (previously claim 96) and all of their dependent claims are allowable.

Applicants have amended claims 58, 61-67, 80, 91 (previously claim 93), and 93 (previously claim 95) to rewrite each of those claims in independent form. As such, claims 58, 61-67, 80, 91 (previously claim 93), and 93 (previously claim 95) along with all of their dependent claims are allowable.

Conclusion

The present application is now in condition for allowance and such action is respectfully requested. The Examiner is encouraged to contact Applicants' representative regarding any remaining issues in an effort to expedite allowance and issuance of the present application.

Respectfully submitted,

WITHROW & TERRANOVA, P.L.L.C.

By: /R. Chad Bevins/

R. Chad Bevins
Registration No. 51,468
100 Regency Forest Drive, Suite 160
Cary, NC 27518
Telephone: (919) 238-2300

Date: August 13, 2014

Attorney Docket: 1116-147-RE4

Electronic Patent Application Fee Transmittal				
Application Number:		13894009		
Filing Date:		14-May-2013		
Title of Invention:		METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
First Named Inventor/Applicant Name:		Darren P. Briggs		
Filer:		R. Chad Bevins/Julie Smith		
Attorney Docket Number:		1116-147-RE4		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Independent claims in excess of 3	1201	2	420	840
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				840

Electronic Acknowledgement Receipt	
EFS ID:	19859193
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	71739
Filer:	R. Chad Bevins/Julie Smith
Filer Authorized By:	R. Chad Bevins
Attorney Docket Number:	1116-147-RE4
Receipt Date:	13-AUG-2014
Filing Date:	14-MAY-2013
Time Stamp:	17:23:30
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 840
RAM confirmation Number	3835
Deposit Account	501732
Authorized User	BEVINS, R. CHAD
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		1116-147-RE4_Response_to_OAF_mailed_5-13-14.pdf	83297 a8b6c51b2ebf3c96c8cb9bb788f01bb478465141	yes	19
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Response After Final Action		1	1	
	Claims		2	17	
	Applicant Arguments/Remarks Made in an Amendment		18	19	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30839 73926e35571a6315871314d41dce48ae8bd7fcd	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			114136		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875					Application or Docket Number 13/894,009		Filing Date 05/14/2013		☐ To be Mailed	

ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO									
APPLICATION AS FILED – PART I									
(Column 1)		(Column 2)							
FOR	NUMBER FILED	NUMBER EXTRA			RATE (\$)	FEE (\$)			
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A			N/A				
☐ SEARCH FEE (37 CFR 1.16(k), (j), or (m))	N/A	N/A			N/A				
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A			N/A				
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*			X \$	=			
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*			X \$	=			
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))									
* If the difference in column 1 is less than zero, enter "0" in column 2.					TOTAL				

APPLICATION AS AMENDED – PART II									
(Column 1)		(Column 2)		(Column 3)					
AMENDMENT	08/13/2014	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA			RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 63	Minus	** 77	= 0			x \$80 =	0
	Independent (37 CFR 1.16(h))	* 24	Minus	***22	= 2			x \$420 =	840
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
						TOTAL ADD'L FEE		840	
(Column 1)		(Column 2)		(Column 3)					
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA			RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=			X \$	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=			X \$	=
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
						TOTAL ADD'L FEE			

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/EVELYN NIMMONS/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
 If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number: 119000

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number: 119000

OR

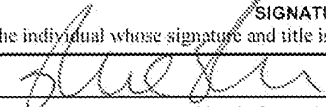
☐ Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone	Email		

Assignee Name and Address:

Tena Technology, LLC
1000 North West Street, Suite 1200
Wilmington, DE 19801

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record
The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	3/13/2014
Name	Hugh Svendsen	Telephone	919-433-1845
Title	Member		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Darren P. Briggs et al.

Application No./Patent No.: 13/894,009 Filed/Issue Date: 5/14/2013

Titled: **METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES**

Tena Technology, LLC, a limited liability company

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 024575, Frame 0328, or for which a copy therefore is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (*i.e.*, a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/R. Chad Bevins/

Signature

March 21, 2014

Date

R. Chad Bevins

Printed or Typed Name

Attorney of Record

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt	
EFS ID:	19863574
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	71739
Filer:	R. Chad Bevins/Julie Smith
Filer Authorized By:	R. Chad Bevins
Attorney Docket Number:	1116-147-RE4
Receipt Date:	14-AUG-2014
Filing Date:	14-MAY-2013
Time Stamp:	11:14:15
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment		no			
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	1116-147-RE4_Tena_General_POA_119000.pdf	325256 07a71137d9c54672e2e8cf468e4a31bd324048d0	no	1
Warnings:					
Information:					

2	Assignee showing of ownership per 37 CFR 3.73.	1116-147-RE4_Statement_Under_37CFR3-73b.PDF	423170 94dcbd131a6d35f2473760e456ef329aac5cbe1	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				748426	
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					



UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/894,009	05/14/2013	Darren P. Briggs	1116-147-RE4	4762
71739 7590 08/21/2014 Concert Technology Corporation 5400 Trinity Road, Suite 303 Raleigh, NC 27607			EXAMINER LIN, WEN TAI	
			ART UNIT 2454	PAPER NUMBER
			MAIL DATE 08/21/2014	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief	Application No. 13/894,009	Applicant(s) BRIGGS ET AL.	
	Examiner WEN-TAI LIN	Art Unit 2454	AIA (First Inventor to File) Status No

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 13 August 2014 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☒ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:

a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.

b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires _____ months from the mailing date of the prior Advisory Action or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.

Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☐ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because

a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);

b) ☐ They raise the issue of new matter (see NOTE below);

c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or

d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. ☐ Applicant's reply has overcome the following rejection(s): _____.

6. ☒ Newly proposed or amended claim(s) 32-42, 58, 61-71 and 73-94 would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. ☒ For purposes of appeal, the proposed amendment(s): (a) ☒ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

9. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

10. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

11. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
In the claims Applicant added the feature of claim 91 to independent claims 43 and 57 and thought that claims 43-57, 59 and 72 would overcome the prior art references of Olivier and Demello, based on which claims 43-57, 59 and 72 were rejected. However, Applicant is reminded that claim 91 was dependent to claim 32 and the prior art reference for that claim tree is Watanabe. In the context of Olivier and Demello's teachings, the added feature (i.e., a satellite-based location fixing protocol such as GPS) is obvious because Olivier's email message may contain GPS location information and Demello's subject matter is related to "passive location positioning of wireless handsets" where the use of GPS is explicitly taught, e.g., at paragraph 0086, 0122, etc. For at least the above reasons, the current amendment is not in condition for allowance.

13. ☒ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____

14. ☐ Other: _____.

STATUS OF CLAIMS

/WEN-TAI LIN/
Primary Examiner, Art Unit 2454

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	13894009
	Filing Date	2013-05-14
	First Named Inventor	Darren P. Briggs
	Art Unit	2454
	Examiner Name	Wen Tai Lin
	Attorney Docket Number	1116-147-RE4

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13894009
	Filing Date		2013-05-14
	First Named Inventor	Darren P. Briggs	
	Art Unit	2454	
	Examiner Name	Wen Tai Lin	
	Attorney Docket Number	1116-147-RE4	

/W.L./	1	Final Office Action for U.S. Patent Application No. 13/893,992 mailed February 21, 2014, 20 pages	☐
/W.L./	2	Advisory Action for U.S. Patent Application No. 13/893,992 mailed May 8, 2014, 3 pages	☐

If you wish to add additional non-patent literature document citation information please click the Add button **Add**

EXAMINER SIGNATURE			
Examiner Signature	/Wen Tai Lin/	Date Considered	08/18/2014

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	13894009
	Filing Date	2013-05-14
	First Named Inventor	Darren P. Briggs
	Art Unit	2454
	Examiner Name	Wen Tai Lin
	Attorney Docket Number	1116-147-RE4

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/R. Chad Bevins/	Date (YYYY-MM-DD)	2014-05-13
Name/Print	R. Chad Bevins	Registration Number	51468

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Darren P. Briggs et al.

Serial No. 13/894,009

Filed: 5/14/2013

Attorney Docket No. 1116-147-RE4

For: **METHOD AND APPARATUS FOR SELECTIVELY SHARING AND
PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES**

Examiner: Wen Tai Lin

Art Unit: 2454

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Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Sir:

RESPONSE TO THE ADVISORY ACTION MAILED AUGUST 21, 2014

In response to the Advisory Action mailed August 21, 2014, Applicants offer the following amendments and remarks. Applicants enclose a payment in the amount of \$600 to cover the fee associated with a two month extension of time and request that this be considered a petition therefor. If any additional fees are required in association with this response, the Director is hereby authorized to charge them to Deposit Account 50-1732, and consider this a petition therefor.

In the Claims:

1-31. (Cancelled)

32. (Twice Amended) A computer-implemented method of sharing computer usage experiences, including:

[registering] sending registration information of a user [with] to a registration server to collect and share visited geographic location data using a client-side application [collected] while visiting [a] geographic locations [location] with a location-aware device that records the visited geographic locations using a satellite-based location fixing protocol;

[accessing] enabling access to one or more [of the user's] messaging buddy lists of the user to identify one or more buddies with whom the [tracking data] visited geographic location data may be shared;

[defining] enabling definition of rights of the one or more buddies to access the visited geographic location data; and

[posting] sending information indicating at least a portion of the [user's] visited geographic location data [for the buddies to access according to their defined rights] to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights.

33. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a rating assigned to the visited geographic locations.

34. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a comment on the visited geographic locations.

35. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and an emoticon assigned to the visited geographic locations.

36. The method of claim 32, further comprising:
enabling receipt and display of advertising information.

37. A non-transitory computer-readable medium storing software for instructing a controller of a computing device to:

send registration information of a user to a registration server to collect and share visited geographic location data using a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations using a satellite-based location-fixing protocol;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

enable definition of rights of the one or more other users to access the visited geographic location data; and

send information indicating at least a portion of the visited geographic location data to a tracking server.

38. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and a rating assigned to the geographic locations.

39. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and a comment on the geographic locations.

40. The computer-readable medium of claim 37 wherein the visited geographic location data comprises the geographic locations and a rating assigned to the geographic locations.

41. The computer-readable medium of claim 37 wherein the software further instructs the controller of the computing device to display advertising.

42. The computer-readable medium of claim 41 wherein the advertising is capable of moving.

43. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein in order to enable the definition of the access rights for the one or more other users to access the visited geographic location data, the software further instructs the controller of the location-aware device to receive, via a user interface of the location-aware device, input that defines at least one user of the one or more other users from the one or more lists of other users that is to have access to the visited geographic location data.

44. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein in order to enable the definition of the access rights for the one or more other users to access the visited geographic location data, the software further instructs the controller of the location-aware device to, for each other user of at least a subset of the one or more other users, receive, via a user interface of the location-aware device, input that defines one or more categories of the visited geographic location data that can be shared with the other user.

45. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device.

46. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein the one or more lists of other users comprises a contact list maintained on the location-aware device.

47. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and
report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device.

48. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein the visited geographic location data further defines ratings assigned to one or more of the geographic locations visited by the location-aware device.

49. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein the visited geographic location data further defines comments on one or more of the geographic locations visited by the location-aware device.

50. A non-transitory computer-readable medium storing software for instructing a controller of a location-aware device that is capable of being registered with a registration server to:

enable access to one or more lists of other users to identify one or more other users with whom visited geographic location data is capable of being shared;

enable definition of access rights for the one or more other users to enable access to the visited geographic location data;

collect the visited geographic location data for geographic locations visited by the location-aware device using a client-side application; and

report information indicating at least a portion of the visited geographic location data to a tracking server;

wherein the visited geographic location data further defines emoticons assigned to one or more of the geographic locations visited by the location-aware device.

51. A method of operation of a server to share computer usage experiences, comprising the following computer-implemented steps:

receiving, at the server, a registration for automatic client-side collection and sharing of visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations using a satellite-based location-fixing protocol;

enabling access to one or more messaging buddy lists and selection of one or more buddies with whom the visited geographic location data may be shared from the one or more messaging buddy lists;

obtaining defined rights of the one or more buddies to access the visited geographic location data; and

reporting information indicating at least a portion of the visited geographic location data for the one or more buddies to access according to the rights defined for the one or more buddies.

52. A method of operation of a client-side application including:

sending registration information to a registration server to collect and share visited geographic location data using the client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations using a satellite-based location-fixing protocol;

enabling identification of one or more buddies with whom the visited geographic location data may be shared from one or more messaging buddy lists;

enabling definition of rights of the one or more buddies to access the visited geographic location data; and

reporting information indicating at least a portion of the visited geographic location data to a tracking server.

53. A non-transitory computer-readable medium storing software for instructing a controller of a registration and tracking server to:

receive, at the registration and tracking server, a registration to collect and share visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the geographic locations using a satellite-based location-fixing protocol;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

obtain defined rights of the one or more other users to access the visited geographic location data; and

report information indicating at least a portion of the visited geographic location data for the one or more other users to access according to the rights defined for the one or more other users.

54. A non-transitory computer-readable medium storing software for instructing a controller of a device to:

communicate with a registration server to register with the registration server to collect visited geographic location data from a client-side application while visiting geographic

locations with a location-aware device that records the geographic locations using a satellite-based location-fixing protocol;

enable a user to select one or more other users with whom the visited geographic location data may be shared from one or more lists of other users;

enable the user to define rights of the one or more other users to access the visited geographic location data; and

report information indicating at least a portion of the visited geographic location data for the one or more other users to a tracking server.

55. A method of operation of a server computer comprising:

receiving registration information from a location-aware device;

receiving information indicating visited geographic location data from the location-aware device, the visited geographic location data being data defining geographic locations collected at the location-aware device from a client-side application, wherein the location-aware device records the geographic locations using a satellite-based location-fixing protocol;

obtaining access rights for one or more other users to allow for access to the visited geographic location data, the one or more other users being one or more other users from one or more lists of other users with whom the visited geographic location data is to be shared; and

sharing at least a portion of the visited geographic location data with the one or more other users according to the access rights defined for the one or more other users.

56. The method of claim 55 wherein the access rights for the one or more other users to access the visited geographic location data comprises, for each other user of at least a subset of the one or more other users, information that defines one or more categories of the visited geographic location data to be shared with the other user.

57. The method of claim 55 wherein the access rights for the one or more other users to access the visited geographic location data comprises, for each category of at least a subset of a plurality of categories of the visited geographic location data, information that defines at least one other user of the one or more other users to have access to the category of the visited geographic location data.

58. The method of claim 55 wherein the one or more lists of other users comprises an Instant Messaging buddy list of the user of the location-aware device.

59. The method of claim 55 wherein the one or more lists of other users comprises a contact list maintained on the location-aware device.

60. The method of claim 55 wherein the one or more lists of other users comprises an e-mail contact list of the user of the location-aware device.

61. The method of claim 55 further comprising:
quantifying relative influence of at least one user on other users.

62. A method of operation of a server computer comprising:
receiving registration information from a location-aware device;
receiving information indicating visited geographic location data from the location-aware device, the visited geographic location data being data defining geographic locations collected at the location-aware device from a client-side application;
obtaining access rights for one or more other users to allow for access to the visited geographic location data, the one or more other users being one or more other users from one or more lists of other users with whom the visited geographic location data is to be shared;
sharing at least a portion of the visited geographic location data with the one or more other users according to the access rights defined for the one or more other users; and
quantifying relative influence of at least one user on other users;
wherein quantifying the relative influence of the at least one user includes a frequency metric.

63. The method of claim 55, further comprising:
offering up to the client-side application context sensitive information associated with the geographic locations visited by the location-aware device.

64. The method of claim 63, wherein the context sensitive information may include ratings of the geographic locations visited by the location-aware device.

65. The method of claim 55, further comprising:
presenting information to the client-side application based on information received regarding the geographic locations visited by the location-aware device.

66. The method of claim 55, further comprising:
downloading client software to the location-aware device.

67. The method of claim 55, further comprising:
aggregating information received from the location-aware device with information from the one or more other users.

68. The method of claim 55, further comprising:
sending the registration information to the location-aware device which includes contractual terms which limit the use of information collected from the user of the location-aware device.

69. A non-transitory computer-readable medium storing software for instructing a controller of a server to:
receive a registration to collect and share visited geographic location data from a client-side application while visiting geographic locations with a location-aware device that records the geographic locations using a satellite-based location-fixing protocol;
enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;
obtain defined rights of the one or more other users to access the visited geographic location data; and
report information indicating at least a portion of the visited geographic location data for the one or more other users to access according to the rights defined for the one or more other users.

70. The method of claim 32 wherein the visited geographic location data comprises the visited geographic locations and a thumbs up rating assigned to the visited geographic locations.

71. A location-aware mobile device having a controller and memory, wherein the controller is configured to:

send location information to a server while visiting geographic locations, the location information comprising geographic data recorded by the location-aware mobile device using a satellite-based location-fixing protocol;

enable access to one or more lists of other users to identify one or more other users with whom the visited geographic location data may be shared;

enable definition of rights of the one or more other users to access the visited geographic location data; and

send information indicating at least a portion of the visited geographic location data to a server.

72. The computer-implemented method of claim 32 wherein the satellite-based location-fixing protocol is selected from a group consisting of: a GPS protocol and a DGPS protocol.

73. A computer-implemented method of sharing computer usage experiences, including:

sending registration information of a user to a registration server to collect and share visited geographic location data using a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations using a terrestrial-radio-based location fixing protocol;

enabling access to one or more messaging buddy lists of the user to identify one or more buddies with whom the visited geographic location data may be shared;

enabling definition of rights of the one or more buddies to access the visited geographic location data; and

sending information indicating at least a portion of the visited geographic location data to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights.

74. The computer-implemented method of claim 73 wherein the terrestrial-radio-based location-fixing protocol is a LORAN protocol.

75. A computer-implemented method of sharing computer usage experiences, including: sending registration information of a user to a registration server to collect and share visited geographic location data using a client-side application while visiting geographic locations with a location-aware device that records the visited geographic locations using a triangulation-based location fixing protocol;

enabling access to one or more messaging buddy lists of the user to identify one or more buddies with whom the visited geographic location data may be shared;

enabling definition of rights of the one or more buddies to access the visited geographic location data; and

sending information indicating at least a portion of the visited geographic location data to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights.

76. A system for collecting and sharing visited geographic location data, comprising:

- a location-aware device adapted to:
 - record geographic location data while visiting geographic locations using a satellite-based location-fixing protocol;
 - enable access to one or more lists of other users to identify one or more other users with whom the geographic location data may be shared;
 - enable definition of rights of the one or more other users to access the geographic location data; and
 - send at least a portion of the geographic location data to a tracking server; and
- the tracking server adapted to:
 - receive the at least a portion of the geographic location data from the location-aware device; and
 - share the at least a portion of the geographic location data with the one or more other users in accordance with the rights of the one or more other users.

REMARKS

Applicants have carefully reviewed the Advisory Action mailed August 21, 2014 and offer the following remarks to accompany the above amendments.

Status of the Claims

Claims 32-94 were previously pending. Previous claims 43-57, 59, and 72 are cancelled herein and previous claims 58, 61-71, and 73-94 have been renumbered as claims 43, 44-54, and 55-76, respectively. No claims are added herein. Accordingly, claims 32-76 remain pending.

Allowable Subject Matter

Applicants would like to thank the Examiner for indicating that claims 32-42, 58, 61-71, and 73-94 would be allowable if submitted in a separate amendment cancelling the non-allowable claims. Applicants have cancelled non-allowed claims 43-57, 59, and 72 herein. As such, claims 32-76 (previously claims 32-42, 58, 61-71, and 73-94) are allowable and Applicants respectfully request issuance of a Notice of Allowability.

Conclusion

The present application is now in condition for allowance and such action is respectfully requested. The Examiner is encouraged to contact Applicants' representative regarding any remaining issues in an effort to expedite allowance and issuance of the present application.

Respectfully submitted,

WITHROW & TERRANOVA, P.L.L.C.

By: /R. Chad Bevins/

R. Chad Bevins
Registration No. 51,468
100 Regency Forest Drive, Suite 160
Cary, NC 27518
Telephone: (919) 238-2300

Date: October 3, 2014

Attorney Docket: 1116-147-RE4

Electronic Patent Application Fee Transmittal				
Application Number:		13894009		
Filing Date:		14-May-2013		
Title of Invention:		METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
First Named Inventor/Applicant Name:		Darren P. Briggs		
Filer:		R. Chad Bevins/Julie Smith		
Attorney Docket Number:		1116-147-RE4		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 2 months with \$0 paid	1252	1	600	600

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				600

Electronic Acknowledgement Receipt	
EFS ID:	20324257
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	71739
Filer:	R. Chad Bevins/Julie Smith
Filer Authorized By:	R. Chad Bevins
Attorney Docket Number:	1116-147-RE4
Receipt Date:	03-OCT-2014
Filing Date:	14-MAY-2013
Time Stamp:	14:45:16
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$600
RAM confirmation Number	990
Deposit Account	501732
Authorized User	BEVINS, R. CHAD
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		1116-147- RE4_Response_to_AA_mailed_ 8-21-14.pdf	70343 fdef537b748405b85dc34e71c0e7706b6675d97a	yes	15
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Response After Final Action		1	1	
	Claims		2	13	
	Applicant Arguments/Remarks Made in an Amendment		14	15	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30923 7c25fa46483a82971bf64884aea873d834c99a61	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			101266		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 13/894,009		Filing Date 05/14/2013		☐ To be Mailed	

ENTITY: ☒ **LARGE** ☐ **SMALL** ☐ **MICRO**

APPLICATION AS FILED – PART I

(Column 1)		(Column 2)				RATE (\$)		FEE (\$)	
FOR	NUMBER FILED	NUMBER EXTRA							
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A				N/A			
☐ SEARCH FEE (37 CFR 1.16(k), (j), or (m))	N/A	N/A				N/A			
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A				N/A			
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =		*				X \$ =		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =		*				X \$ =		
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))									
* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL			

APPLICATION AS AMENDED – PART II

(Column 1)		(Column 2)		(Column 3)				RATE (\$)		ADDITIONAL FEE (\$)	
AMENDMENT	10/03/2014	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA						
	Total (37 CFR 1.16(i))	* 45	Minus	** 77	= 0			X \$80 =		0	
	Independent (37 CFR 1.16(h))	* 21	Minus	***24	= 0			X \$420 =		0	
	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
						TOTAL ADD'L FEE		0			

(Column 1)		(Column 2)		(Column 3)				RATE (\$)		ADDITIONAL FEE (\$)	
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA						
	Total (37 CFR 1.16(i))	*	Minus	**	=			X \$ =			
	Independent (37 CFR 1.16(h))	*	Minus	***	=			X \$ =			
	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
						TOTAL ADD'L FEE					

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/PARTHENIA D. MERRILL/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

TERMINAL DISCLAIMER TO OBTAIN A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	Docket Number (Optional) 1116-147-RE4
In re Application of: Darren P. Briggs et al. Application No.: 13/894,009 Filed: 5/14/2013 For: METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES The applicant, <u>Tena Technology, LLC</u>, owner of <u>100</u> percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent No. <u>RE41,450, RE44,324</u> as the term of said prior patent is presently shortened by any terminal disclaimer. The applicant hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns. In making the above disclaimer, the applicant does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later: - expires for failure to pay a maintenance fee; - is held unenforceable; - is found invalid by a court of competent jurisdiction; - is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321; - has all claims canceled by a reexamination certificate; - is reissued; or - is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer. Check either box 1 or 2 below, if appropriate. 1. ☐ The undersigned is the applicant. If the applicant is an assignee, the undersigned is authorized to act on behalf of the assignee. I hereby acknowledge that any willful false statements made are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. 2. ☒ The undersigned is an attorney or agent of record. Reg. No. <u>51,468</u> <u>/R. Chad Bevins/</u> Signature <u>October 16, 2014</u> Date <u>R. Chad Bevins</u> Typed or printed name <u>Attorney of Record</u> Title <u>919-238-2300</u> Telephone Number ☒ Terminal disclaimer fee under 37 CFR 1.20(d) included. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.	

This collection of information is required by 37 CFR 1.321. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal				
Application Number:		13894009		
Filing Date:		14-May-2013		
Title of Invention:		METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
First Named Inventor/Applicant Name:		Darren P. Briggs		
Filer:		R. Chad Bevins/Julie Smith		
Attorney Docket Number:		1116-147-RE4		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Statutory or Terminal Disclaimer	1814	1	160	160
Total in USD (\$)				160

Electronic Acknowledgement Receipt	
EFS ID:	20429984
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	71739
Filer:	R. Chad Bevins/Julie Smith
Filer Authorized By:	R. Chad Bevins
Attorney Docket Number:	1116-147-RE4
Receipt Date:	16-OCT-2014
Filing Date:	14-MAY-2013
Time Stamp:	10:11:51
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 160
RAM confirmation Number	9530
Deposit Account	501732
Authorized User	BEVINS, R. CHAD
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer Filed	1116-147-RE4_Terminal_Disclaimer.PDF	154215 f1e160caac07efb7febb7974761a771aca7ff0c7	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30491 b24f54ec920cda44a6d32950fd6b3cdeffdf9843c	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			184706		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

Application Number 	Application/Control No.	Applicant(s)/Patent under Reexamination	
	13/894,009	BRIGGS ET AL.	
Document Code - DISQ		Internal Document – DO NOT MAIL	

TERMINAL DISCLAIMER	☐ APPROVED	☒ DISAPPROVED
Date Filed : 16 OCT 2014	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:

The terminal disclaimer identifies a party who is not the applicant (only for applications filed on or after September 16, 2012; See FP 14.26.10):

Below is what needs to be done to correct the defects:

For cases filed on/after 9/16/12, 37 CFR 1.321 specifies that the applicant can disclaim, and the terminal disclaimer must specify the extent of the applicant's ownership.

A request under 37 CFR 1.46(c) to change the applicant needs to be filed, which is (1) a request, signed by a 1.33(b) party, (2) a corrected ADS (37 CFR 1.76(c)) that identifies the "new" applicant in the applicant information, and is underlined since it is new, and (3) a 3.73(c) statement showing chain of title to the new applicant. Along with the § 1.46(c) request we need a POA that gives power to the attorney who is signing the TD, along with another copy of the TD, unless they file a TD that is signed by the applicant.

The TD must be re-filed; no new fees due.

JAB

TERMINAL DISCLAIMER TO OBTAIN A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	Docket Number (Optional) 1116-147-RE4
In re Application of: Darren P. Briggs et al. Application No.: 13/894,009 Filed: 5/14/2013 For: METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES The applicant, <u>Tena Technology, LLC</u>, owner of <u>100</u> percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent No. <u>RE41,450, RE44,324</u> as the term of said prior patent is presently shortened by any terminal disclaimer. The applicant hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns. In making the above disclaimer, the applicant does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later: - expires for failure to pay a maintenance fee; - is held unenforceable; - is found invalid by a court of competent jurisdiction; - is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321; - has all claims canceled by a reexamination certificate; - is reissued; or - is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer. Check either box 1 or 2 below, if appropriate. 1. ☐ The undersigned is the applicant. If the applicant is an assignee, the undersigned is authorized to act on behalf of the assignee. I hereby acknowledge that any willful false statements made are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. 2. ☒ The undersigned is an attorney or agent of record. Reg. No. <u>51,468</u> <u>/R. Chad Bevins/</u> Signature <u>October 16, 2014</u> Date <u>R. Chad Bevins</u> Typed or printed name <u>Attorney of Record</u> Title <u>919-238-2300</u> Telephone Number ☒ Terminal disclaimer fee under 37 CFR 1.20(d) included. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.	

This collection of information is required by 37 CFR 1.321. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt	
EFS ID:	20548382
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	71739
Filer:	R. Chad Bevins/Julie Smith
Filer Authorized By:	R. Chad Bevins
Attorney Docket Number:	1116-147-RE4
Receipt Date:	29-OCT-2014
Filing Date:	14-MAY-2013
Time Stamp:	14:18:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	1116-147-RE4_Request_to_Change_Applicant.pdf	14866 ed16dc3cc55460e5a9daab8a4cc3f8c68708258	no	1

Warnings:

Information:

2	Power of Attorney	1116-147- RE4_POA_Transmittal_10-29-14.pdf	314133 843182994fde4de7f94e69e1c0c818b274ad1f9	no	2
Warnings:					
Information:					
3	Assignee showing of ownership per 37 CFR 3.73.	1116-147- RE4_Statement_Under_37CFR3-73c_10-29-14.pdf	118252 33780cb06e9cea39e8834a1529911d41dcc1909f	no	3
Warnings:					
Information:					
4	Application Data Sheet	1116-147-RE4_Corrected_ADS.pdf	118783 bc4da29f74286f76ac5d836c126c3676a32fc	no	7
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
5	Terminal Disclaimer Filed	1116-147- RE4_Terminal_Disclaimer.PDF	154215 f1e160caac07efb7febb7974761a771aca7ff0c7	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			720249		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Darren P. Briggs et al.

Serial No. 13/894,009

Filed: 5/14/2013

Attorney Docket No. 1116-147-RE4

For: **METHOD AND APPARATUS FOR SELECTIVELY SHARING AND
PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES**

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Sir:

REQUEST FOR CHANGE OF APPLICANT UNDER 37 CFR 1.46

Please consider this a request to change the applicant in the above-identified application. A corrected Application Data Sheet is submitted herewith to make this change of record. The new applicant is Tena Technology, LLC with an address of 100 North West Street, Suite 1200, Wilmington, Delaware, 19801. Additional corrections have been made to update an inventor's address and to change the customer number.

A Power of Attorney is also submitted herewith. If any issues remain, please contact the undersigned attorney.

Respectfully submitted,

WITHROW & TERRANOVA, P.L.L.C.

By: /R. Chad Bevins/

R. Chad Bevins

Registration No. 51,468

100 Regency Forest Drive, Suite 160

Cary, NC 27518

Telephone: (919) 238-2300

Date: October 29, 2014

Attorney Docket: 1116-147-RE4

Doc Code: PA..

Document Description: Power of Attorney

PTO/AIA/82A (07-13)

Approved for use through 11/30/2014. OMB 0651-0051

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	13/894,009
Filing Date	5/14/2013
First Named Inventor	Darren P. Briggs
Title	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
Art Unit	2454
Examiner Name	Wen Tai Lin
Attorney Docket Number	1116-147-RE4

SIGNATURE of Applicant or Patent Practitioner

Signature	/R. Chad Bevins/	Date (Optional)	2014-10-29
Name	R. Chad Bevins	Registration Number	51,468
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			
NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.			
☐ *Total of _____ forms are submitted.			

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: PA..

Document Description: Power of Attorney

PTO/AIA/82B (07-13)

Approved for use through 11/30/2014. OMB 0651-0051

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

119000

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☒ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone			Email		

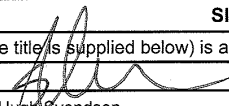
I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Tena Technology, LLC

- ☐ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	10/28/2014
Name	Hugh Svendsen		
Title	Member		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: Tena Technology, LLC

Application No./Patent No.: 13/894,009

Filed/Issue Date: 5/14/2013

Titled: METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES

Tena Technology, LLC, a limited liability corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☒ The assignee of the entire right, title, and interest.
2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):
- ☐ The extent (by percentage) of its ownership interest is ____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 024575, Frame 0328, or for which a copy thereof is attached.
- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____
- The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
- The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/R. Chad Bevins/

Signature

R. Chad Bevins

Printed or Typed Name

October 29, 2014

Date

51,468

Title or Registration Number

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1					Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Darren	P.	Briggs			
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service						
City	Nashville	State/Province	TN	Country of Residence	US	
Mailing Address of Inventor:						
Address 1		~~1920 18th Avenue South~~ 1914 19th Avenue South				
Address 2						
City	Nashville	State/Province	TN			
Postal Code	37212	Country i	US			
Inventor 2					Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Brady	O.	Bruce			
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service						
City	San Francisco	State/Province	CA	Country of Residence	US	
Mailing Address of Inventor:						
Address 1		2817 Lincoln Way				
Address 2						
City	San Francisco	State/Province	CA			
Postal Code	94122	Country i	US			
Inventor 3					Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Michael	W.	Mitchell			
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service						

Application Data Sheet 37 CFR 1.76		Attorney Docket Number		1116-147-RE4	
		Application Number			
Title of Invention		METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES			
City	Santa Cruz	State/Province	CA	Country of Residence	US
Mailing Address of Inventor:					
Address 1		109 Peyton Street			
Address 2					
City	Santa Cruz	State/Province	CA		
Postal Code	95060	Country i	US		
Inventor 4					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Emile	L.	Reed	IV	
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Denver	State/Province	CO	Country of Residence	US
Mailing Address of Inventor:					
Address 1		2700 East Bates Avenue			
Address 2					
City	Denver	State/Province	CO		
Postal Code	80210	Country i	US		
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.					Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence information of this application.			
Customer Number	~~74739~~ 119000		
Email Address	patents@wt-ip.com	Add Email	Remove Email

Application Information:

Title of the Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
Attorney Docket Number	1116-147-RE4	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	26	Suggested Figure for Publication (if any)	19

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	71739		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
	reissued of	09841475	2001-04-24	7080139	2006-07-18
Prior Application Status		Pending		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
	Continuation of	12820579	2010-06-22		
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12820579	reissued of	09841475	2001-04-24	7080139	2006-07-18
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12820579	Continuation of	12172518	2008-07-14	RE41450	2010-07-20
Prior Application Status		Patented		Remove	

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4		
		Application Number			
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES				
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12820579	reissued of	09841475	2001-04-24	7080139	2006-07-18
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove			
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.			
Applicant 1			
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.			
Clear			
☒ Assignee		☐ Legal Representative under 35 U.S.C. 117	
☐ Person to whom the inventor is obligated to assign.		☐ Person who shows sufficient proprietary interest	
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor :			
If the Applicant is an Organization check here. ☒			
Organization Name	<u>Tena Technology, LLC</u>		
Mailing Address Information For Applicant:			
Address 1	<u>1000 North West Street</u>		
Address 2	<u>Suite 1200</u>		
City	<u>Wilmington</u>	State/Province	<u>DE</u>
Country	<u>US</u>	Postal Code	<u>19801</u>
Phone Number		Fax Number	

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button.			

Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1			
Complete this section only if non-applicant assignee information is desired to be included on the patent application publication in accordance with 37 CFR 1.215(b). Do not include in this section an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest), as the patent application publication will include the name of the applicant(s).			
If the Assignee is an Organization check here. ☒			
Organization Name	~~Tena Technology, LLC~~		
Mailing Address Information For Non-Applicant Assignee:			
Address 1	~~1000 North West Street~~		
Address 2	~~Suite 1200~~		
City	~~Wilmington~~	State/Province	~~DE~~
Country ⁱ	~~US~~	Postal Code	~~19801~~
Phone Number		Fax Number	
Email Address			
Additional Assignee Data may be generated within this form by selecting the Add button.			

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Signature	/R. Chad Bevins/		Date (YYYY-MM-DD)	2014-10-21
First Name	R. Chad	Last Name	Bevins	Registration Number
51468				
Additional Signature may be generated within this form by selecting the Add button.				

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1116-147-RE4
		Application Number	
Title of Invention	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Application Number 	Application/Control No.	Applicant(s)/Patent under Reexamination	
	13/894,009	BRIGGS ET AL.	
Document Code - DISQ		Internal Document – DO NOT MAIL	

TERMINAL DISCLAIMER	☒ APPROVED	☐ DISAPPROVED
Date Filed : 10/29/14	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by: Janice Ford

U.S. Patent and Trademark Office



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/894,009	05/14/2013	Darren P. Briggs	1116-147-RE4

CONFIRMATION NO. 4762

POA ACCEPTANCE LETTER

119000
Concert Technology Corporation
WITHROW & TERRANOVA, P.L.L.C.
5400 Trinity Road, Suite 303
SUITE 160
Raleigh, NC 27607



Date Mailed: 10/31/2014

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/29/2014.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/eggolla/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
13/894,009	05/14/2013	2454	16420	1116-147-RE4	77	22

CONFIRMATION NO. 4762

CORRECTED FILING RECEIPT



OC000000071619857

119000

Concert Technology Corporation
WITHROW & TERRANOVA, P.L.L.C.
5400 Trinity Road, Suite 303
SUITE 160
Raleigh, NC 27607

Date Mailed: 11/12/2014

Receipt is acknowledged of this reissue patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Darren P. Briggs, Nashville, TN;
Brady O. Bruce, San Francisco, CA;
Michael W. Mitchell, Santa Cruz, CA;
Emile L. Reed IV, Denver, CO;

Applicant(s)

Tena Technology, LLC, Wilmington, DE

Power of Attorney: The patent practitioners associated with Customer Number 119000

Domestic Priority data as claimed by applicant

This application is a CON of 12/820,579 06/22/2010 PAT RE44324
which is a CON of 12/172,518 07/14/2008 PAT RE41450
which is a REI of 09/841,475 04/24/2001 PAT 7080139

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 07/01/2013

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/894,009**

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

Title

METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING
COMMUNICATION DEVICE EXPERIENCES

Preliminary Class

709

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

Application Number 	Application/Control No. 13894009	Applicant(s)/Patent under Reexamination	
Document Code - REIS.REVFORM		Internal Document – DO NOT MAIL	

Original Patent Number of Patent to be reissued: 7080139	Notice of Reissue Published in O.G. date: 7/23/2013			
This reissue patent is subjected Terminal Disclaimer that ☒ was filed during the prosecution of the reissue application ☐ was of record prior to the filing of the reissue application The maintenance fee status is: ☒ is up to date ☐ was not required Physical surrender of the letter patent: ☐ was made ☐ was not made, but a statement of loss/inaccessibility was provided by applicant(s) ☒ is not required				
<table> <tr> <td>Final SPRE review</td> <td>Beatriz Prieto</td> <td>11/13/2014</td> </tr> </table>		Final SPRE review	Beatriz Prieto	11/13/2014
Final SPRE review	Beatriz Prieto	11/13/2014		



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Alexandria, Virginia 22313-1450
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NOTICE OF ALLOWANCE AND FEE(S) DUE

119000 7590 11/14/2014
Concert Technology Corporation
WITHROW & TERRANOVA, P.L.L.C.
5400 Trinity Road, Suite 303
SUITE 160
Raleigh, NC 27607

EXAMINER

LIN, WEN TAI

ART UNIT

PAPER NUMBER

2454

DATE MAILED: 11/14/2014

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/894,009	05/14/2013	Darren P. Briggs	1116-147-RE4	4762

TITLE OF INVENTION: METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	02/17/2015

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

119000 7590 11/14/2014
Concert Technology Corporation
WITHROW & TERRANOVA, P.L.L.C.
5400 Trinity Road, Suite 303
SUITE 160
Raleigh, NC 27607

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.

13/894,009 05/14/2013 Darren P. Briggs 1116-147-RE4 4762

TITLE OF INVENTION: METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE

nonprovisional UNDISCOUNTED \$960 \$0 \$0 \$960 02/17/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS

LIN, WEN TAI 2454 709-224000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/894,009	05/14/2013	Darren P. Briggs	1116-147-RE4	4762
119000 7590 11/14/2014 Concert Technology Corporation WITHROW & TERRANOVA, P.L.L.C. 5400 Trinity Road, Suite 303 SUITE 160 Raleigh, NC 27607			EXAMINER LIN, WEN TAI	
			ART UNIT 2454	PAPER NUMBER

DATE MAILED: 11/14/2014

Determination of Patent Term Extension or Adjustment under 35 U.S.C. 154 (b)

A reissue patent is for "the unexpired part of the term of the original patent." See 35 U.S.C. 251. Accordingly, the above-identified reissue application is not eligible for Patent Term Extension or Adjustment under 35 U.S.C. 154(b).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 13/894,009 Examiner WEN-TAI LIN	Applicant(s) BRIGGS ET AL. <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Art Unit 2454</td> <td style="width: 50%; border: none;">AIA (First Inventor to File) Status No</td> </tr> </table>	Art Unit 2454	AIA (First Inventor to File) Status No
Art Unit 2454	AIA (First Inventor to File) Status No			

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 10/3/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 32-76. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some *c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has **THREE MONTHS FROM THE "MAILING DATE"** of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in **ABANDONMENT** of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892) 2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 4. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____	5. ☐ Examiner's Amendment/Comment 6. ☐ Examiner's Statement of Reasons for Allowance 7. ☐ Other _____

/WEN-TAI LIN/ Primary Examiner, Art Unit 2454	

Examiner-Initiated Interview Summary	Application No. 13/894,009	Applicant(s) BRIGGS ET AL.	
	Examiner WEN-TAI LIN	Art Unit 2454	

All participants (applicant, applicant's representative, PTO personnel):

(1) Wen-Tai Lin. (3) _____.

(2) Chad Bevin. (4) _____.

Date of Interview: 15 October 2014.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☐ No.
If Yes, brief description: _____.

Issues Discussed ☐ 101 ☐ 112 ☐ 102 ☐ 103 ☒ Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: NA.

Identification of prior art discussed: NA.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

The examiner called Applicant's representative to inform that a terminal disclaimer (TD) against the allowed patents of the parent application would be required to allow the instant application, which is a continuation of 12/820579. The examiner stated that although the initial office action did not reject the claims under obviousness-type double patenting, subsequent claim interpretations (such as the locationware information or geographic data being mapped to landmark pictures taken by a camera or cell phone) and amendments necessitate the filing of a TD against the parent patents (e.g., claim 32 of US patent 7080139). Mr. Bevin was attentive and agreed to file a TD in order to place this application in condition for allowance.

It is further noted that on October 18, 2014, Mr. Bevin was informed of the fact that the TD submitted on 10/16/2014 was rejected. Mr. Bevin promised to resubmit a correct one promptly.

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/WEN-TAI LIN/ Primary Examiner, Art Unit 2454	

Index of Claims 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
	Examiner WEN-TAI LIN	Art Unit 2454

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant					☐ CPA					☒ T.D.					☐ R.1.47				
CLAIM		DATE																	
Final	Original	11/08/2013	05/10/2014	10/18/2014															
	1	-	-	-															
	2	-	-	-															
	3	-	-	-															
	4	-	-	-															
	5	-	-	-															
	6	-	-	-															
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32	32	✓	✓	=															
33	33	✓	✓	=															
34	34	✓	✓	=															
35	35	✓	✓	=															
36	36	✓	✓	=															

<i>Index of Claims</i> 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
	Examiner WEN-TAI LIN	Art Unit 2454

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant					☐ CPA					☒ T.D.					☐ R.1.47				
CLAIM		DATE																	
Final	Original	11/08/2013	05/10/2014	10/18/2014															
39	37	✓	✓	=															
40	38	✓	✓	=															
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67	66	O	O	=															
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71	69	✓	✓	=															
37	70	✓	✓	=															
72	71	✓	✓	=															
38	72	✓	✓	=															

<i>Index of Claims</i> 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
	Examiner WEN-TAI LIN	Art Unit 2454

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant					☐ CPA					☒ T.D.					☐ R.1.47				
CLAIM		DATE																	
Final	Original	11/08/2013	05/10/2014	10/18/2014															
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	105	÷																	
	106	÷																	
	107	÷																	
	108	✓																	

Issue Classification 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.	
	Examiner WEN-TAI LIN	Art Unit 2454	

CPC						
Symbol					Type	Version
						</

CPC Combination Sets					
Symbol				Type	Set

NONE		Total Claims Allowed:	
		45	
(Assistant Examiner)	(Date)		
/WEN-TAI LIN/ Primary Examiner.Art Unit 2454	10/18/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	32	1

Issue Classification 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
	Examiner WEN-TAI LIN	Art Unit 2454

US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION														
CLASS		SUBCLASS				CLAIMED					NON-CLAIMED									
709		224				G	0	6	F	15 / 173 (2006.01.01)					G	0	6	F	15 / 16 (2006.01.01)	
CROSS REFERENCE(S)																				
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																			
709	203	205	207																	
707	999.003																			

NONE		Total Claims Allowed:	
		45	
(Assistant Examiner)	(Date)		
/WEN-TAI LIN/ Primary Examiner.Art Unit 2454	10/18/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	32	1

Issue Classification 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
	Examiner WEN-TAI LIN	Art Unit 2454

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☒ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
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	2		18	34	34	52	50	67	66						
	3		19	35	35	53	51	68	67						
	4		20	36	36	54	52	69	68						
	5		21	39	37	55	53	71	69						
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	7		23	41	39	57	55	72	71						
	8		24	42	40	58	56	38	72						
	9		25	43	41	59	57	73	73						
	10		26	44	42	60	58	74	74						
	11		27	45	43	61	59	75	75						
	12		28	46	44	62	60	76	76						
	13		29	47	45	63	61								
	14		30	48	46	70	62								
	15		31	49	47	64	63								
	16	32	32	50	48	65	64								

NONE		Total Claims Allowed:	
		45	
(Assistant Examiner)	(Date)		
/WEN-TAI LIN/ Primary Examiner.Art Unit 2454	10/18/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	32	1

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PALM Continuity/Reexam Information for Appl # 13/894,009.

Continuity/Reexam Information for 13/894009

Parent Data

13894009, filed 05/14/2013 is a continuation of 12820579, filed 06/22/2010 and having 1 RCE-type filing therein

12820579 is a continuation of 12172518, filed 07/14/2008

12172518 is a reissue of 92841475, filed 04/24/2001, now U.S. Patent #7080139 and having 1 RCE-type filing therein

Child Data

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1. South Wales Echo, August 7, 2001, Tuesday, NEWS, Pg. 1, 357 words, FATAL ACCIDENT WAS INEVITABLE, RESIDENTS BREAK OUT OVER CRASH THAT KILLED FRIENDS, Jessica Pym
2. Winston Mail, August 7, 2001, Tuesday, NEWS, Pg. 4, 340 words, TROPICAL STORM BRINK LASHES FLORIDA, ALABAMA AND GEORGIA; IMPACT STATES: HURRICANE WARNING IN FORCE
3. All Rights Reserved The Boston Globe, July 8, 2000, Saturday, THIRD EDITION, Pg. C1, 906 words, LATA SKYD SCRUBBING JOB ORDERS SOME ANALYSTS SEE SEEDS OF 'SOFT LANDING' TONE AND GROWTH MAY ECLIPSE SCANDALISM, by Kimberly Blanton, Globe Staff
4. Columbus Dispatch (OH), July 8, 2000, Saturday, Pg. 9A, 5076 words, HOUSE MARKET - PART ONE OF TWO
5. St. Louis Post-Dispatch (Missouri), July 8, 2000 Saturday Edition: First Day HIT RUMORS, FLAMINGOED ADVERTISING, 70 words, Firestorm, by Tim R. St.
6. The Miami Herald, July 7, 2000 Friday FINAL EDITION, FRONT, Pg. 24A, 776 words, EXPERTS FIRE CRITICISM FOR ONE OF \$300 MILLION MISSILE DEFENSE TEST, JONATHAN S. LAYMAN, Herald Washington Bureau, WASHINGTON

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Terms: 7080139 or 7,080,139 (Suggest Terms for My Search)
Query: 708
Date/Time: Friday, October 10, 2003 12:27 PM EDT

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EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S72	16	S69 and (buddy or IM or shar\$3 or right or authorize or authorization or defin\$3) near10 (location or position or data or information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/18: 11:47
S71	3	S69 and (buddy or IM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/18: 11:45
S69	29	S67 and (track\$3) adj10 (geographic or satellite or GPS) adj5 (position or location) near15 (user or subscriber or client)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/18: 11:44
S68	168	S67 and (track\$3) adj10 (geographic or satellite or GPS) adj5 (position or location)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/18: 11:42
S67	3170	(S65 or S66)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/18: 11:42
S66	38	((@AD<"20010423" or @RLAD<"20010423") and (security or safety) same location near5 track\$3 and (register\$3 or enter\$3 or input\$4) near16 (device or cell or phone or mobile) and access near5 (permission or right)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/18: 11:42
S65	3148	(S63 or S64 or S61 or S62)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/18: 11:42
S64	2692	((@AD<"20010423" or	US-PGPUB;	OR	ON	2014/10/18:

		@RLAD<"20010423") and (GPS near10 (camera or cellphone or phone or PDA or mobile or wireless or (location-aware))) same (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3 or report\$3) with (location or position or place or map)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			11:42
S63	58	((@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 ((trip or travel or tour or visit or visitation) near5 (data or information or experience))) with (buddy or friend or selected or chosen or list) and (passive\$2 or automatic or automatically) near15 (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/18 11:42
S62	58	((@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 ((travel or tour or visit or visitation) near5 (data or information or experience))) with (buddy or friend or selected or chosen or list) and (passive\$2 or automatic or automatically) near15 (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/18 11:42
S61	456	((@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 (photo or photograph or picture or image or ((travel or tour or visit or visitation) near5 (data or information or experience))) with (buddy or friend or selected or chosen or list) and (passive\$2 or automatic or automatically) near15 (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/18 11:42
S55	0	S54 and (user or client) near10 (authoriz\$3 or define\$3 or enter\$3 or input\$4) adj10 (read\$3 or writ\$3 or access\$3) near5 (permission or right)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/15 22:07
S54	54	S53 and (geographic near5 location) and (GPS or bluetooth or (satellite near5 (locat\$3 or position)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/15 22:06
S53	190	S52 and (shar\$3 or allow\$3 or grant\$3 or permit\$4 and enabl\$3) near10 (access or read or receiv\$3) adj15 (monitor\$3 or track\$3 or detect\$3 or collect\$3 or report\$3 or record\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/15 22:05
S52	3170	(S50 or S51)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/15 22:04

S51	38	((@AD<"20010423" or @RLAD<"20010423") and (security or safety) same location near5 track\$3 and (register\$3 or enter\$3 or input\$4) near16 (device or cell or phone or mobile) and access near5 (permission or right)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/15: 22:04
S50	3148	(S48 or S49 or S46 or S47)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/15: 22:03
S49	2692	((@AD<"20010423" or @RLAD<"20010423") and (GPS near10 (camera or cellphone or phone or PDA or mobile or wireless or (location-aware))) same (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3 or report\$3) with (location or position or place or map)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/15: 22:03
S48	58	((@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 (((trip or travel or tour or visit or visitation) near5 (data or information or experience))) with (buddy or friend or selected or chosen or list) and (passive\$2 or automatic or automatically) near15 (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/15: 22:03
S47	58	((@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 (((travel or tour or visit or visitation) near5 (data or information or experience))) with (buddy or friend or selected or chosen or list) and (passive\$2 or automatic or automatically) near15 (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/15: 22:03
S46	456	((@AD<"20010423" or @RLAD<"20010423") and shar\$3 near15 (photo or photograph or picture or image or ((travel or tour or visit or visitation) near5 (data or information or experience))) with (buddy or friend or selected or chosen or list) and (passive\$2 or automatic or automatically) near15 (monitor\$3 or track\$3 or listen\$3 or detect\$3 or collect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/15: 22:03

10/ 18/ 2014 9:30:03 PM

C:\ Users\ wlin\ Documents\ EAST\ Workspaces\ 13_894009.wsp

Search Notes 	Application/Control No. 13894009	Applicant(s)/Patent Under Reexamination BRIGGS ET AL.
	Examiner WEN-TAI LIN	Art Unit 2454

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
Text search on EAST (see printout)	11/7/13	wtl
Updated Text search on EAST (see printout)	10/18/14	wtl

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
709	203, 205, 207, 224	10/18/14	wtl
707	999.003	10/18/14	wtl

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13894009	
	Filing Date		2013-05-14	
	First Named Inventor		Darren P. Briggs	
	Art Unit		2454	
	Examiner Name		Wen Tai Lin	
	Attorney Docket Number		1116-147-RE4	

U.S.PATENTS							Remove	
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
	1							
If you wish to add additional U.S. Patent citation information please click the Add button.							Add	
U.S.PATENT APPLICATION PUBLICATIONS							Remove	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
	1							
If you wish to add additional U.S. Published Application citation information please click the Add button.							Add	
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
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If you wish to add additional Foreign Patent Document citation information please click the Add button							Add	
NON-PATENT LITERATURE DOCUMENTS							Remove	
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.						T ⁵

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13894009
	Filing Date		2013-05-14
	First Named Inventor	Darren P. Briggs	
	Art Unit	2454	
	Examiner Name	Wen Tai Lin	
	Attorney Docket Number	1116-147-RE4	

1	AUTHOR UNKNOWN, "Google Acquires Usenet Discussion Service and Significant Assets from Deja.com: Award-Winning Search Engine Launches Beta Version of Usenet Newsgroup Search," Google News, February 12, 2001, Mountain View, California, 2 pages, http://googlepress.blogspot.com/2001/02/google-acquires-usenet-discussion.html	☐
2	Non-Final Office Action for U.S. Patent Application No. 13/893,992 mailed September 24, 2014, 23 pages	☐
3	Notice of Allowance for U.S. Patent Application No. 13/893,992 mailed November 13, 2014, 6 pages	☐

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	13894009
	Filing Date	2013-05-14
	First Named Inventor	Darren P. Briggs
	Art Unit	2454
	Examiner Name	Wen Tai Lin
	Attorney Docket Number	1116-147-RE4

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/R. Chad Bevins/	Date (YYYY-MM-DD)	2014-11-14
Name/Print	R. Chad Bevins	Registration Number	51468

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal				
Application Number:		13894009		
Filing Date:		14-May-2013		
Title of Invention:		METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
First Named Inventor/Applicant Name:		Darren P. Briggs		
Filer:		R. Chad Bevins/Rebecca Meier		
Attorney Docket Number:		1116-147-RE4		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Electronic Acknowledgement Receipt	
EFS ID:	20701789
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	119000
Filer:	R. Chad Bevins/Rebecca Meier
Filer Authorized By:	R. Chad Bevins
Attorney Docket Number:	1116-147-RE4
Receipt Date:	14-NOV-2014
Filing Date:	14-MAY-2013
Time Stamp:	15:02:31
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	1434
Deposit Account	501732
Authorized User	BEVINS, R. CHAD
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	1116-147-RE4_IDS_10-24-14.pdf	612461 3be9075590c4f183fd4eb9bc34b3cc4585e56969	no	4
Warnings:					
Information:					
A U.S. Patent Number Citation or a U.S. Publication Number Citation is required in the Information Disclosure Statement (IDS) form for autoloading of data into USPTO systems. You may remove the form to add the required data in order to correct the Informational Message if you are citing U.S. References. If you chose not to include U.S. References, the image of the form will be processed and be made available within the Image File Wrapper (IFW) system. However, no data will be extracted from this form. Any additional data such as Foreign Patent Documents or Non Patent Literature will be manually reviewed and keyed into USPTO systems.					
2	Non Patent Literature	Google_News_2001.pdf	122583 da8ba61d9edc009e58479e5313ce1f1f0e7109b9	no	2
Warnings:					
Information:					
3	Other Reference-Patent/App/Search documents	A100RE3_NOA_11-13-14.pdf	874387 6fc98627a4d3b4ba87e484c9cb02693c85924ad	no	6
Warnings:					
Information:					
4	Other Reference-Patent/App/Search documents	13893992_OA_9-24-14.pdf	796772 54c1260913279bd8fa8f65d2e54778f802758ba5	no	23
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	30642 276c3e8a94a930924361d490fac649550e84331e	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			2436845		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

119000 7590 11/14/2014
Concert Technology Corporation
WITHROW & TERRANOVA, P.L.L.C.
5400 Trinity Road, Suite 303
SUITE 160
Raleigh, NC 27607

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.

13/894,009 05/14/2013 Darren P. Briggs 1116-147-RE4 4762

TITLE OF INVENTION: METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE
EXPERIENCES

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE

nonprovisional UNDISCOUNTED \$960 \$0 \$0 \$960 02/17/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS

LIN, WEN TAI 2454 709-224000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Withrow & Terranova, PLLC
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Tena Technology, LLC

Wilmington, Delaware

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 50-1732 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
☐ Applicant asserting small entity status. See 37 CFR 1.27
☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /R. Chad Bevins/

Date November 24, 2014

Typed or printed name R. Chad Bevins

Registration No. 51,468

Electronic Patent Application Fee Transmittal				
Application Number:		13894009		
Filing Date:		14-May-2013		
Title of Invention:		METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES		
First Named Inventor/Applicant Name:		Darren P. Briggs		
Filer:		R. Chad Bevins/Julie Smith		
Attorney Docket Number:		1116-147-RE4		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl Issue Fee	1501	1	960	960
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				960

Electronic Acknowledgement Receipt	
EFS ID:	20784813
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	119000
Filer:	R. Chad Bevins/Julie Smith
Filer Authorized By:	R. Chad Bevins
Attorney Docket Number:	1116-147-RE4
Receipt Date:	24-NOV-2014
Filing Date:	14-MAY-2013
Time Stamp:	16:25:37
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 960
RAM confirmation Number	6124
Deposit Account	501732
Authorized User	BEVINS, R. CHAD
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees) Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	1116-147-RE4_Issue_Fee_Transmittal.pdf	198817	no	1
			1a0b46c6b3b78640f41d95a13dac7bef3139767b		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30673	no	2
			2c0b06c46697d7f5768db2d0c0ba1c6ae1e9e87		
Warnings:					
Information:					
Total Files Size (in bytes):			229490		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. New Applications Under 35 U.S.C. 111 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. National Stage of an International Application under 35 U.S.C. 371 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. New International Application Filed with the USPTO as a Receiving Office If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13894009	
	Filing Date		2013-05-14	
	First Named Inventor	Darren P. Briggs		
	Art Unit	2454		
	Examiner Name	Wen Tai Lin		
	Attorney Docket Number	1116-147-RE4		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13894009
	Filing Date		2013-05-14
	First Named Inventor	Darren P. Briggs	
	Art Unit	2454	
	Examiner Name	Wen Tai Lin	
Attorney Docket Number		1116-147-RE4	

/W.L./	1	AUTHOR UNKNOWN, "Google Acquires Usenet Discussion Service and Significant Assets from Deja.com: Award-Winning Search Engine Launches Beta Version of Usenet Newsgroup Search," Google News, February 12, 2001, Mountain View, California, 2 pages, http://googlepress.blogspot.com/2001/02/google-acquires-usenet-discussion.html	☐
/W.L./	2	Non-Final Office Action for U.S. Patent Application No. 13/893,992 mailed September 24, 2014, 23 pages	☐
/W.L./	3	Notice of Allowance for U.S. Patent Application No. 13/893,992 mailed November 13, 2014, 6 pages	☐

If you wish to add additional non-patent literature document citation information please click the Add button **Add**

EXAMINER SIGNATURE

Examiner Signature	/Wen Tai Lin/	Date Considered	12/02/2014

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	13894009
	Filing Date	2013-05-14
	First Named Inventor	Darren P. Briggs
	Art Unit	2454
	Examiner Name	Wen Tai Lin
	Attorney Docket Number	1116-147-RE4

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/R. Chad Bevins/	Date (YYYY-MM-DD)	2014-11-14
Name/Print	R. Chad Bevins	Registration Number	51468

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/894,009	05/14/2013	Darren P. Briggs	1116-147-RE4	4762
119000 7590 12/03/2014 Concert Technology Corporation WITHROW & TERRANOVA, P.L.L.C. 5400 Trinity Road, Suite 303 SUITE 160 Raleigh, NC 27607			EXAMINER LIN, WEN TAI	
			ART UNIT 2454	PAPER NUMBER
			MAIL DATE 12/03/2014	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
13/894,009	14 May, 2013	BRIGGS ET AL.	1116-147-RE4

Concert Technology Corporation WITHROW & TERRANOVA, P.L.L.C. 5400 Trinity Road, Suite 303 SUITE 160 Raleigh, NC 27607		EXAMINER	
		WEN-TAI LIN	
		ART UNIT	PAPER
		2454	20141202

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The IDS filed 11/14/2014 has been entered and considered by the examiner.

/WEN-TAI LIN/
Primary Examiner, Art Unit 2454



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/894,009	05/14/2013	Darren P. Briggs	1116-147-RE4	4762
119000 7590 01/08/2015 Concert Technology Corporation WITHROW & TERRANOVA, P.L.L.C. 5400 Trinity Road, Suite 303 SUITE 160 Raleigh, NC 27607			EXAMINER LIN, WEN TAI	
			ART UNIT 2454	PAPER NUMBER
			MAIL DATE 01/08/2015	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of Allowability	Application No. 13/894,009	Applicant(s) BRIGGS ET AL.	
	Examiner WEN-TAI LIN	Art Unit 2454	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 10/3/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 32-76. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some *c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has **THREE MONTHS FROM THE "MAILING DATE"** of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in **ABANDONMENT** of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)	5. ☒ Examiner's Amendment/Comment
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____	6. ☐ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	7. ☐ Other _____
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____	

EXAMINER'S AMENDMENT

1. The examiner's Amendment is provided in response to a print rush indicating incorrect markings found in the granted claim 32. This amendment reflects changes made from claim 32 of the parent patent US No. 7,080,139 (see 37 CFR 1.173 and MPEP 1453 for basis of the correction).

2. In the claims: please amend claim 32 to the following:

32. A computer-implemented method of sharing computer [user] usage experiences, including:

[registering] sending registration information of a user [with] to a registration server to collect and share visited geographic location data using a client-side application [collected] while visiting [a] geographic locations [location] with a location-aware device that records the visited geographic locations [location] using a satellite-based location fixing protocol;

[accessing] enabling access to one or more [of the user's] messaging buddy lists of the user to identify one or more buddies with whom the [tracking data] visited geographic location data may be shared;

[defining] enabling definition of rights of the one or more buddies to access the visited geographic location data; and

[posting] sending information indicating at least a portion of the [user's] visited geographic location data [for the buddies to access according to their defined

rights] to a tracking server to enable sharing of the information with the one or more buddies in accordance with the defined rights.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wen-Tai Lin whose telephone number is (571)272-3969. The examiner can normally be reached on Monday-Friday (8:00-5:00) .

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph E. Avellino can be reached on (571)272-3905. The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

(571)273-8300 for official communications; and

(571)273-3969 for status inquiries draft communication.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 13/894,009
Art Unit: 2454

Page 4

/WEN-TAI LIN/

Primary Examiner, Art Unit 2454

January 7, 2015



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/894,009	05/14/2013	Darren P. Briggs	1116-147-RE4	4762
119000 7590 02/12/2015 Concert Technology Corporation 5400 Trinity Road, Suite 303 SUITE 160 Raleigh, NC 27607			EXAMINER LIN, WEN TAI	
			ART UNIT 2454	PAPER NUMBER
			MAIL DATE 02/12/2015	DELIVERY MODE PAPER

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Application No. : 13894009
Applicant : Briggs
Filing Date : 05/14/2013
Date Mailed : 02/12/2015

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given two (2) months from the mail date of this Notice within which to respond. This time period for reply is extendable under 37 CFR 1.136(a) for only TWO additional MONTHS.

The informalities requiring correction are indicated in the attachment(s). If the informality pertains to the abstract, specification (including claims) or drawings, the informality must be corrected with an amendment in compliance with 37 CFR 1.121 (or, if the application is a reissue application, 37 CFR 1.173). Such an amendment may be filed after payment of the issue fee if limited to correction of informalities noted herein. See Waiver of 37 CFR 1.312 for Documents Required by the Office of Patent Publication, 1280 Off. Gaz. Patent Office 918 (March 23, 2004). In addition, if the informality is not corrected until after payment of the issue fee, for purposes of 35 U.S.C. 154(b)(1)(iv), "all outstanding requirements" will be considered to have been satisfied when the informality has been corrected. A failure to respond within the above-identified time period will result in the application being ABANDONED.

See attachment(s).

*A copy of this notice **MUST** be returned with the reply. Please address response to
"Mail Stop Issue Fee, Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450".*

/Marty Willis/
Publication Branch
Office of Data Management
(571) 272-4200

IDENTIFICATION OF DRAWING DEFICIENCIES

- ☐ There is a hole or the image thereof within the illustration. FIG(s)
- ☐ The illustration is penetrated or traversed by a solid or broken line that is not intended to be part of the drawing, such as a dark line caused by a flaw in the copying process. FIG(s)
- ☐ An ink stamp or the image thereof obscures part of the illustration. FIG(s)
- ☐ The drawing is marred by black smudges, obliterations, or fax/copier marks (for example, speckles or dots in a substantial portion of the drawing). FIG(s)
- ☐ Figure numbers are duplicated or missing. FIG(s)
- ☐ Drawing sheet or figure is missing. FIG(s)
- ☐ Numbers, letters, or reference characters in the drawing have been crossed out or are illegibly handwritten. FIG(s)
- ☐ The character of the lines, numbers, and letters is poor. FIG(s)
- ☐ The drawing's background shows that the original drawing was made on graph paper or other paper with a pattern or decoration. FIG(s)
- ☐ The FIG. number label is placed in a location that causes the drawing to be read upside down. FIG(s)
- ☐ Data, a reference number, or part of the drawing is truncated or missing, or a lead line has no reference number. FIG(s)
- ☐ The drawing and/or the FIG. label contain(s) foreign language. FIG(s)
- ☐ This utility application contains a photograph of a view that is capable of being illustrated as a line drawing. FIG(s)
- ☐ A petition under 37 CFR 1.84(a)(2) to accept color drawings has been granted, but the brief description of the drawings in the specification does not contain (or has not been amended to contain) the paragraph required by 37 CFR 1.84(a)(2)(iii).
- ☒ This reissue application contains added and/or amended drawings that are not labeled as "New" or "Amended" or "Canceled" as required by 37 CFR 1.173(b)(3). FIG(s) 1 - 24
- ☐ This Design reissue application contains a drawing that is labeled as "Canceled" but is not surrounded by brackets, or a drawing that is surrounded by brackets but is not labeled as "Canceled." See 37 CFR 1.173(b)(3). FIG(s)
- ☒ OTHER: Figure 17 is cut off and partially missing at the bottom of sheet 19/26.
- ☐ COMMENTS:

SCORE Placeholder Sheet for IFW Content

Application Number: 13894009

Document Date: 04/09/2015

The presence of this form in the IFW record indicates that the following document type was received in electronic format on the date identified above. This content is stored in the SCORE database.

Since this was an electronic submission, there is no physical artifact folder, no artifact folder is recorded in PALM, and no paper documents or physical media exist. The TIFF images in the IFW record were created from the original documents that are stored in SCORE.

- Drawing

At the time of document entry (noted above):

- USPTO employees may access SCORE content via eDAN using the Supplemental Content tab, or via the SCORE web page.
- External customers may access SCORE content via PAIR using the Supplemental Content tab.

Form Revision Date: August 26, 2013

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Darren P. Briggs

Application No.: 13/894,009

Filed: 2013-05-14

For: Method And Apparatus For
Selectively Sharing And Passively Tracking
Communication Device Experiences

Mail Stop: Issue Fee

Group Art Unit: 2454

Examiner: Wen Tai Lin

Confirmation No.: 4762

**RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS
Notice of Allowance Mailed**

Mail Stop: Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This paper is responsive to the Notice to File Corrected Application Papers, Notice of Allowance Mailed, mailed February 12, 2015, for which a shortened statutory period for reply is set to expire on April 12, 2015. Entry and favorable consideration of the following Amendments and/or Remarks is respectfully requested.

Amendments to the Drawings begin on page 2 of this paper and includes Replacement Sheets displaying the requisite labeling as set forth in 37 CFR 1.173(b)(3).
Remarks begin on page 3 of this paper.

Amendments to the Drawings:

The attached sheets of drawings include changes to FIG. 17. Sheet 19, which includes FIG. 17, replaces the amended sheet 19 including FIG. 17. In Figure 17, the portion of box 1757, which was previously cut off and partially missing, has been supplied, in accordance with the requirements set forth in the notice. No new matter has been added.

The attached sheets of drawings include changes to FIG. 20. Sheet 22, which includes FIG. 20, replaces the amended sheet 22 including FIG. 20. In Figure 20, box 2061, the word, "Budy" has been corrected to read –Buddy--. This amendment is made to address a typographical error noted by applicant after allowance. No new matter has been added.

The attached clean versions of sheets 1-18 of drawings (FIGS. 1-16B), 20-21 (FIGS. 18-19), and 23-26 (FIGS. 21-24) have been corrected to display the label "Amended" to replace the previously-supplied label of "Replacement Sheet." Replacement Sheets 1-18 (FIGS. 1-16B), 20-21 (FIGS. 18-19), and 23-26 (FIGS. 21-24), which have been corrected to display the label "Amended" to replace the previously-supplied label of "Replacement Sheet," are also attached with markings circling the portions of the drawings which were amended and filed as replacement sheets with the filing of the subject application. No new matter has been added.

Attachments: Replacement Sheets 1-26 labeled as "Amended"
Version with Markings to Show Changes Made Sheets 1, 2, 4,
10-13, 16-19, 22, and 24-26

REMARKS

Status Summary

Claims 32-76 are pending in the present application, of which claims 32, 37, 43, 57, 68-73, 87, 88, 90-95, 97, 98, 103, and 108 are presented in independent form.

Claims 32-76 are allowed.

Drawings

The drawings have been indicated as informal, as set forth in the Notice to File Corrected Papers mailed February 12, 2015. Applicants have amended the drawings where considered appropriate to address the items listed in the Notice.

The sheet labels for Sheets 1-26, comprising Figures 1-24, have been amended to read, "Amended," in accordance with the requirements set forth in the Notice.

In Figure 17 (Sheet 19), the bottom portion of box 1757, which was previously cut off and partially missing, has been supplied, in accordance with the requirements set forth in the notice. No new matter has been added.

In Figure 20 (Sheet 22), box 2061, the word, "Budy" has been corrected to read – Buddy--. This amendment is made to address an informality of a typographical nature, noted by applicant after allowance. No new matter has been added.

The replacement drawings filed May 14, 2013 in the subject application were prepared using a different drafting software than was used in the parent Patent No. 7,080,139, for clarity and readability. Those portions of the drawings which were altered have been circled in the Version with Markings to Show Changes Made (Sheets 1, 2, 4, 10-13, 16-19, 22, and 24-26) filed concurrently herewith. Specifically the differences between the drawing figures in the parent Patent No. 7,080,139 and the replacement drawings as filed on May 14, 2013 with the subject application (U.S. Patent Application No. 13/894,009 filed May 14, 2013) are as follows:

Figure 1, Sheet 1, the cylinder shapes depicting databases in the flowchart were displayed with three circular lines at the top of the shapes, and were amended to display one circular line at the top of the shapes. No new matter has been added.

Figure 3, Sheet 2, the phrase, "<future home of the ticker?>" indicated by element 368 was illegible, and was amended to make this information legible. Additionally, Sheet 2 previously contained Figures 2-5, and was amended to contain only Figures 2 and 3 in a larger format for better clarity. Figures 4 and 5 are now contained on Sheet 3 in a larger format for better clarity. No new matter has been added.

Figure 6, Sheet 4, the phrase, "* Optional, included in IM/email message." appearing under the box indicated by element 695 was illegible, and was amended to make this information legible. Additionally, Sheet 3 previously contained Figures 6-8A, and was amended to contain only Figures 6 and 7 in a larger format for better clarity. Figure 8A is now contained on Sheet 5 in a larger format for better clarity. No new matter has been added.

Figure 8B, Sheet 4, is now contained on Sheet 6 in a larger format for better clarity. No new matter has been added.

Figure 8C, Sheet 4, is now contained on Sheet 7 in a larger format for better clarity. No new matter has been added.

Figure 8D, Sheet 5, is now contained on Sheet 8 in a larger format for better clarity. No new matter has been added.

Figure 9, Sheet 5, is now contained on Sheet 8 in a larger format for better clarity. No new matter has been added.

Figure 10, Sheet 6, several portions of text (the phrase, "some instructional text regarding how to use this thing . . ." indicated by element 1051, the text within box 1061, and the text within the box bracketed by elements 1070, 1081, and 1071) were illegible, and were amended to make this information legible. Additionally, Sheet 6 previously contained Figures 10 and 11, and was amended to contain only Figure 10. Figure 10 is now contained on Sheet 10 in a larger format for better clarity. No new matter has been added.

Figure 11, Sheet 6, several portions of text (the text indicated by elements 1151-1158, 1161-1167, 1170, and 1171) were illegible, and were amended to make this information legible. Additionally, Sheet 6 previously contained Figures 10 and 11, and

was amended to contain only Figure 11. Figure 11 is now contained on Sheet 11 in a larger format for better clarity. No new matter has been added.

Figure 12, Sheet 7, previously contained Figure 12, and was amended to break Figure 12 into Figures 12A and 12B, contained on Sheets 12 and 13, in a larger format for better clarity. Additionally, the rectangular shapes depicting a process or task and the oval shape depicting a start or end in the flowchart were displayed with two lines at the outside edges of each shape, and were amended to display one line at the outside edges of each shape. The cylinder shape depicting a database in the flowchart in Figure 12B was displayed with three circular lines at the top of the shape, and was amended to display one circular line at the top of the shape. No new matter has been added.

Figure 13, Sheet 8, is now contained on Sheet 14 in a larger format for better clarity. No new matter has been added.

Figure 14, Sheet 9, is now contained on Sheet 15 in a larger format for better clarity. No new matter has been added.

Figure 15, Sheet 10, is now contained on Sheet 16 in a larger format for better clarity. Additionally, the rectangular shapes depicting a process or task in the flowchart were displayed with two lines at the outside edges of each shape, and were amended to display one line at the outside edges of each shape. The cylinder shape depicting a database in the flowchart was displayed with three circular lines at the top of the shape, and was amended to display one circular line at the top of the shape. Additionally, background shading at the right and bottom of each cylinder shape was removed. No new matter has been added.

Figure 16, Sheet 11, previously contained Figure 16, and was amended to break Figure 16 into Figures 16A and 16B, contained on Sheets 17 and 18, in a larger format for better clarity. Several portions of text in the box indicated by 1629 were illegible, and were amended to make this information legible. Additionally, the rectangular shapes depicting a process or task in the flowchart were displayed with two lines at the outside edges of each shape, and were amended to display one line at the outside edges of each shape. The cylinder shape depicting a database in the flowchart was displayed

with three circular lines at the top of the shape, and was amended to display one circular line at the top of the shape. Additionally, background shading at the right and bottom of each cylinder shape was removed. No new matter has been added.

Figure 18, Sheet 13, is now contained on Sheet 20 in a larger format for better clarity. No new matter has been added.

Figure 19, Sheet 14, is now contained on Sheet 21 in a larger format for better clarity. No new matter has been added.

Figure 21, Sheet 16, is now contained on Sheet 23 in a larger format for better clarity. No new matter has been added.

Figure 22, Sheet 17, is now contained on Sheet 24, in a larger format for better clarity. Additionally, the rectangular shapes depicting a process or task and the oval shape depicting a start or end in the flowchart were displayed with two lines at the outside edges of each shape, and were amended to display one line at the outside edges of each shape. The cylinder shapes depicting a database in the flowchart were displayed with three circular lines at the top of each shape and were amended to display one circular line at the top of each shape. Additionally, background shading at the right and bottom of each cylinder shape was removed. No new matter has been added.

Figure 23, Sheet 18, is now contained on Sheet 25, in a larger format for better clarity. An indication of "Yes" at decision boxes 2357, 2359, 2361, and 2363 was included to make the flowchart more easily understood by the general public, and to better reflect the process described in the specification (see Column 17, lines 7-10. Additionally, the rectangular shapes depicting a process or task and the oval shape depicting a start or end in the flowchart were displayed with two lines at the outside edges of each shape, and were amended to display one line at the outside edges of each shape. The cylinder shape depicting a database in the flowchart was displayed with three circular lines at the top of the shape and was amended to display one circular line at the top of the shape. Additionally, background shading at the right and bottom of the cylinder shape was removed. No new matter has been added.

Figure 24, Sheet 19, is now contained on Sheet 26, in a larger format for better clarity. Additionally, the rectangular shapes depicting a process or task in the flowchart were displayed with two lines at the outside edges of each shape, and were amended to display one line at the outside edges of each shape. The cylinder shapes depicting a database in the flowchart were displayed with three circular lines at the top of each shape and were amended to display one circular line at the top of each shape. Additionally, background shading at the right and bottom of each cylinder shape was removed. No new matter has been added.

These amendments were made for reasons unrelated to the statutory requirements for a patent. Accordingly, the amendment of the drawings does not raise any presumptions regarding, nor trigger the application of, the doctrine of prosecution history estoppel to limit the range of equivalents.

Conclusion

In view of the above, it is respectfully submitted that the present application remains in condition for allowance. Entry and favorable consideration of the above amendments and remarks is respectfully requested. The Examiner is respectfully requested to telephone the undersigned attorney at the below-listed number if, after reviewing the above Remarks, the Examiner believes outstanding matters remain.

Application No. 13/894,009

Attorney Docket No. CT-LBS-003-REC3/US

Paper filed April 9, 2015

Page 8 of 8

Reply to Notice to file Corrected Application Papers mailed February 12, 2015

Deposit Account

The Commissioner is hereby authorized to charge any additional fees, or credit any overpayment, associated with the filing of this paper to Deposit Account No. 50-5596.

Respectfully submitted,

Date: April 9, 2015
Customer No: 71739
5400 Trinity Road, Ste. 303
Raleigh, North Carolina 27607
919 233 1942 x207 (voice)
919 233 9907 (fax)

/Kevin L. Wingate/
Kevin L. Wingate
Attorney for Applicant
Reg. No. 45,159



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/894,009	05/14/2013	Darren P. Briggs	1116-147-RE4	4762
119000 7590 02/12/2015 Concert Technology Corporation 5400 Trinity Road, Suite 303 SUITE 160 Raleigh, NC 27607			EXAMINER LIN, WEN TAI	
			ART UNIT 2454	PAPER NUMBER
			MAIL DATE 02/12/2015	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Application No. : 13894009
Applicant : Briggs
Filing Date : 05/14/2013
Date Mailed : 02/12/2015

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given two (2) months from the mail date of this Notice within which to respond. This time period for reply is extendable under 37 CFR 1.136(a) for only TWO additional MONTHS.

The informalities requiring correction are indicated in the attachment(s). If the informality pertains to the abstract, specification (including claims) or drawings, the informality must be corrected with an amendment in compliance with 37 CFR 1.121 (or, if the application is a reissue application, 37 CFR 1.173). Such an amendment may be filed after payment of the issue fee if limited to correction of informalities noted herein. See Waiver of 37 CFR 1.312 for Documents Required by the Office of Patent Publication, 1280 Off. Gaz. Patent Office 918 (March 23, 2004). In addition, if the informality is not corrected until after payment of the issue fee, for purposes of 35 U.S.C. 154(b)(1)(iv), "all outstanding requirements" will be considered to have been satisfied when the informality has been corrected. A failure to respond within the above-identified time period will result in the application being ABANDONED.

See attachment(s).

*A copy of this notice **MUST** be returned with the reply. Please address response to
"Mail Stop Issue Fee, Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450".*

/Marty Willis/
Publication Branch
Office of Data Management
(571) 272-4200

IDENTIFICATION OF DRAWING DEFICIENCIES

- ☐ There is a hole or the image thereof within the illustration. FIG(s)
- ☐ The illustration is penetrated or traversed by a solid or broken line that is not intended to be part of the drawing, such as a dark line caused by a flaw in the copying process. FIG(s)
- ☐ An ink stamp or the image thereof obscures part of the illustration. FIG(s)
- ☐ The drawing is marred by black smudges, obliterations, or fax/copier marks (for example, speckles or dots in a substantial portion of the drawing). FIG(s)
- ☐ Figure numbers are duplicated or missing. FIG(s)
- ☐ Drawing sheet or figure is missing. FIG(s)
- ☐ Numbers, letters, or reference characters in the drawing have been crossed out or are illegibly handwritten. FIG(s)
- ☐ The character of the lines, numbers, and letters is poor. FIG(s)
- ☐ The drawing's background shows that the original drawing was made on graph paper or other paper with a pattern or decoration. FIG(s)
- ☐ The FIG. number label is placed in a location that causes the drawing to be read upside down. FIG(s)
- ☐ Data, a reference number, or part of the drawing is truncated or missing, or a lead line has no reference number. FIG(s)
- ☐ The drawing and/or the FIG. label contain(s) foreign language. FIG(s)
- ☐ This utility application contains a photograph of a view that is capable of being illustrated as a line drawing. FIG(s)
- ☐ A petition under 37 CFR 1.84(a)(2) to accept color drawings has been granted, but the brief description of the drawings in the specification does not contain (or has not been amended to contain) the paragraph required by 37 CFR 1.84(a)(2)(iii).
- ☒ This reissue application contains added and/or amended drawings that are not labeled as "New" or "Amended" or "Canceled" as required by 37 CFR 1.173(b)(3). FIG(s) 1 - 24
- ☐ This Design reissue application contains a drawing that is labeled as "Canceled" but is not surrounded by brackets, or a drawing that is surrounded by brackets but is not labeled as "Canceled." See 37 CFR 1.173(b)(3). FIG(s)
- ☒ OTHER: Figure 17 is cut off and partially missing at the bottom of sheet 19/26.
- ☐ COMMENTS:

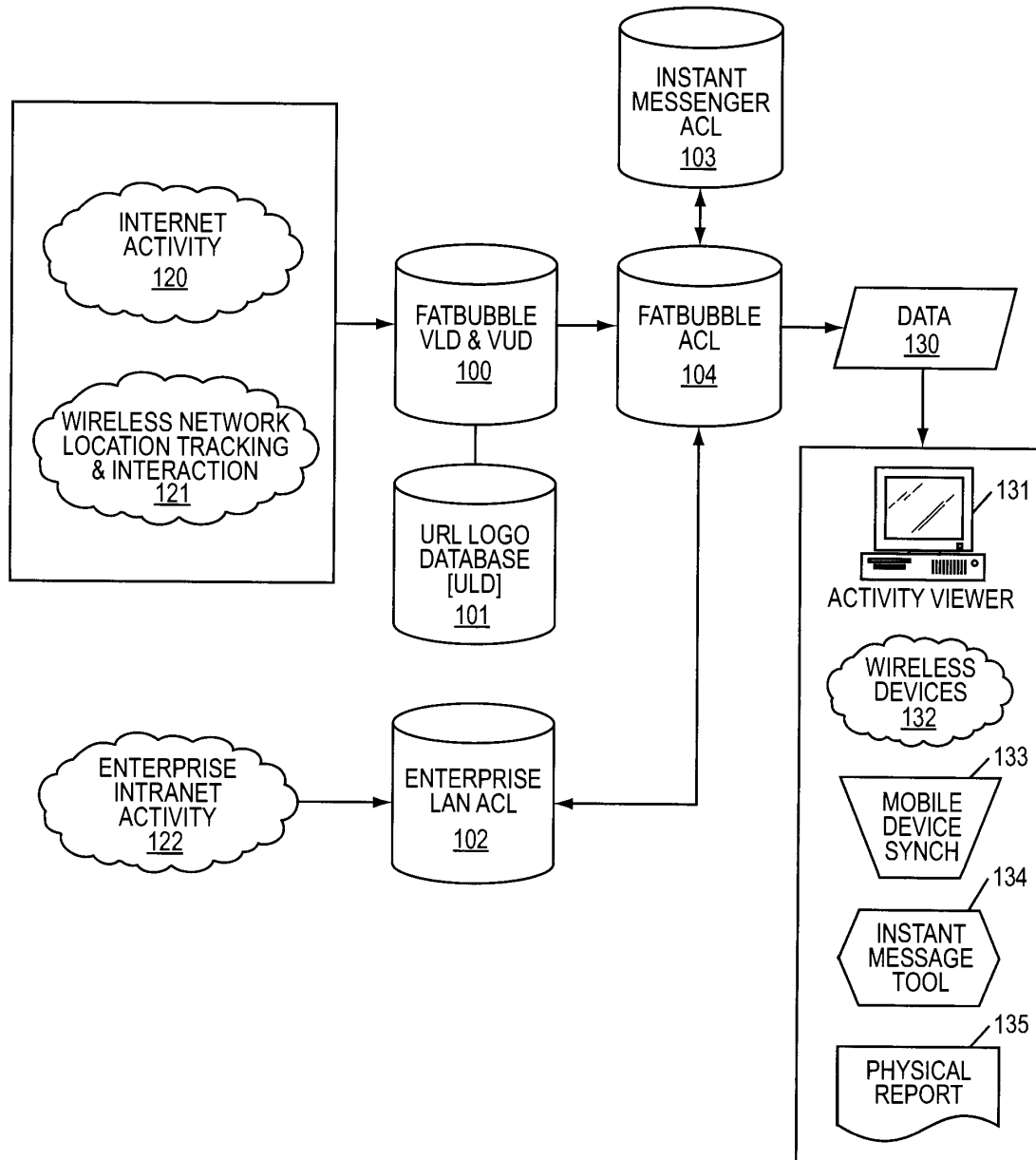


FIG. 1

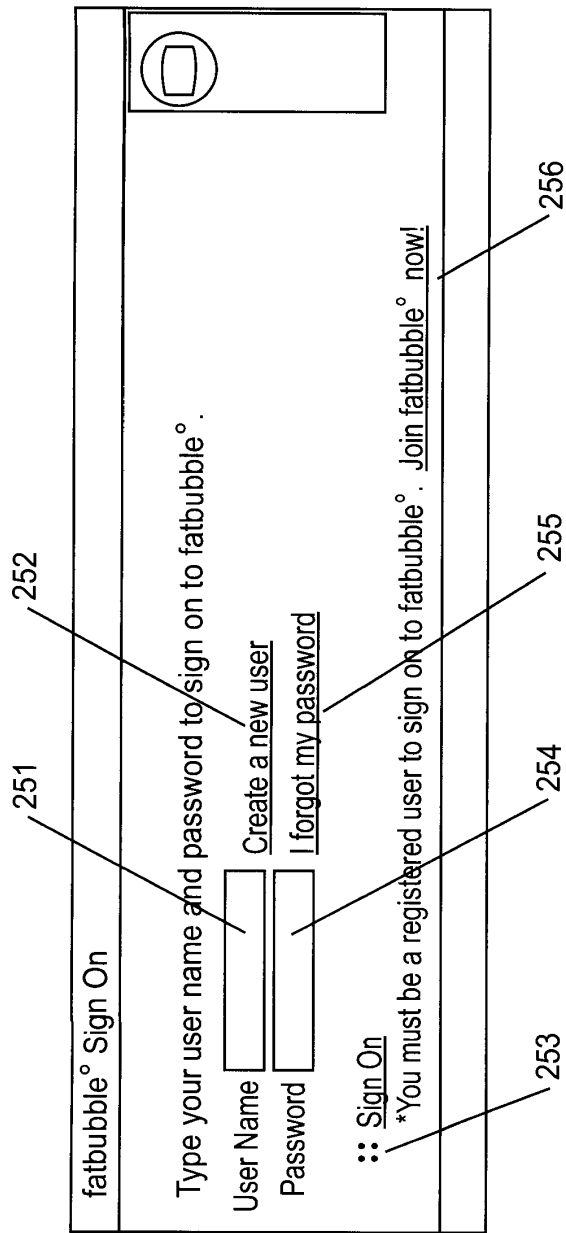


FIG. 2

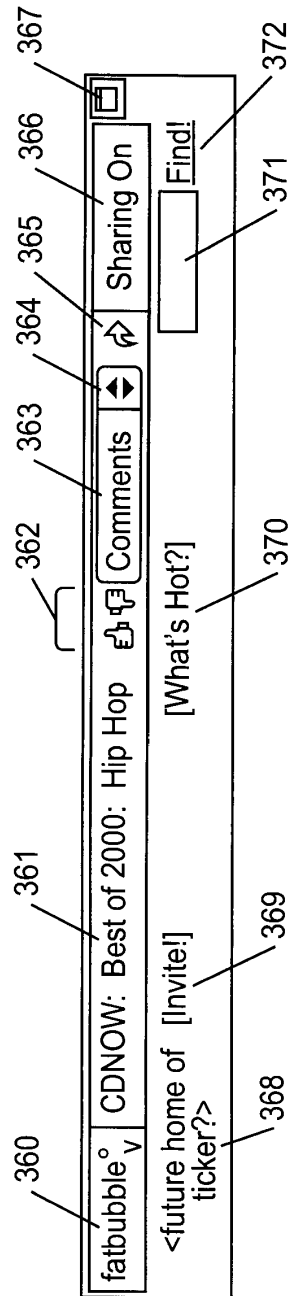


FIG. 3

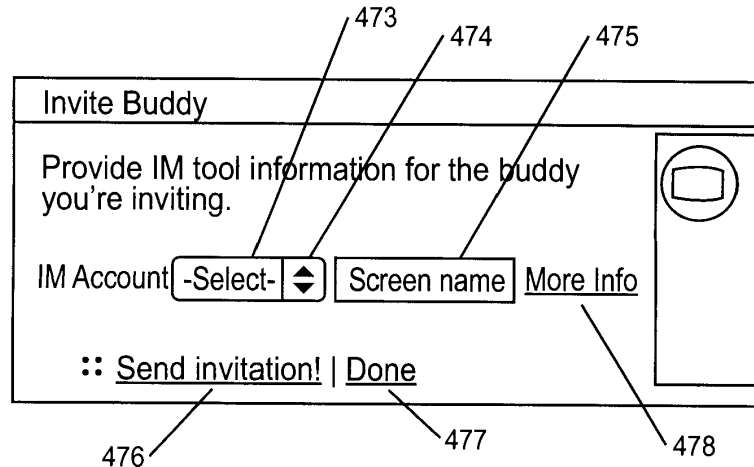


FIG. 4

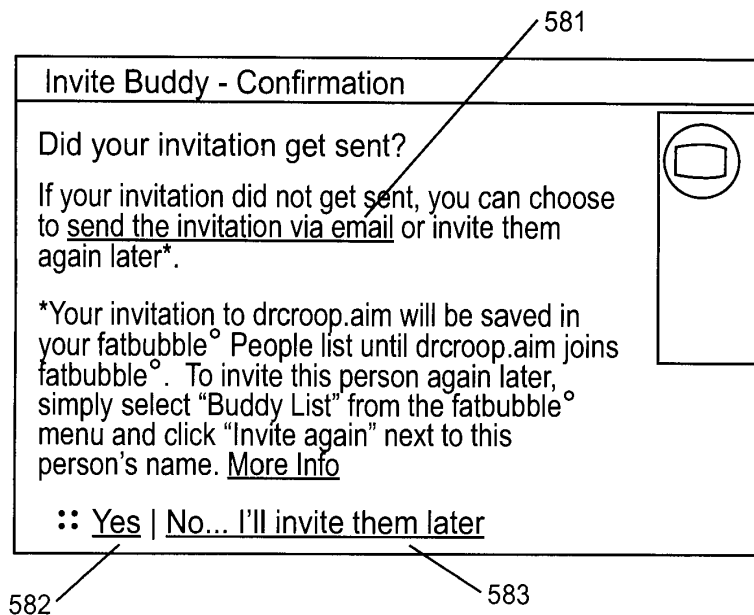


FIG. 5

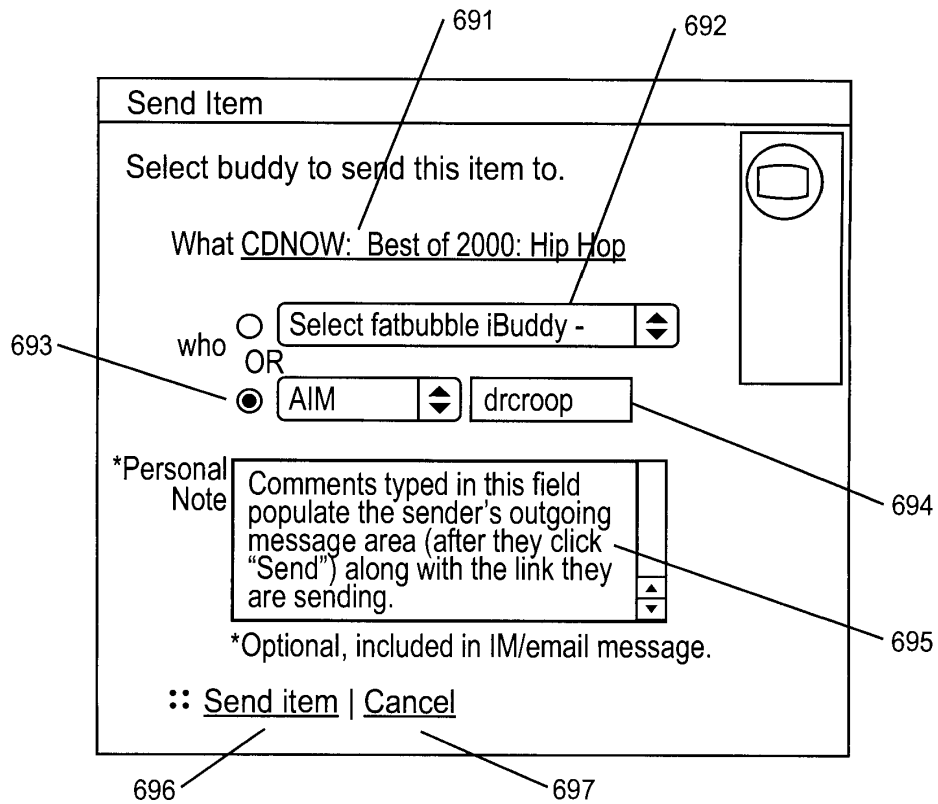


FIG. 6

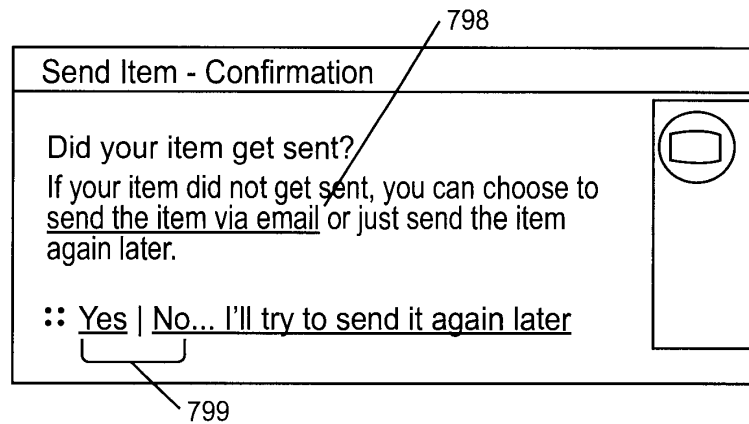


FIG. 7

AMENDED

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Buddy List

Administer your list of buddies.

852

851

853

854

855

856

857

858

Invite a new Buddy!

☒	Who	Contact
☐	<u>bluesclueless</u>	<u>bobbymcgin.aim</u> <u>8920339..icq</u>
☐	<u>friskyriggs</u>	<u>friskyriggs.aim</u>
☐	<username.aim> Resend invitation!	<u>jennyarnold001.aim</u> <u>58903882.icq</u>
☐	<username.aim> Resend invitation!	<u>mickspears288.aim</u> <u>mickyspears100.yah</u>
☐	<u>zapfin</u>	<u>zapfdingbat.aim</u>
☐	<username.aim> Resend invitation!	<u>daveycktt.aim</u>
☐	<newuser>	<u>+Add...</u> <u>+Add...</u>

Delete Selected Buddy

:: Done

FIG. 8A

AMENDED

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The screenshot shows a web form titled "Edit fatbubble° Profile - friskyriggs". At the top right, there are links for "View" and "Edit". Below the title, there are four tabs: "Buddy Overview", "Contact Information", "Topic Sharing", and "File Sharing". The "Contact Information" tab is currently selected. Below the tabs, there is a text prompt: "Provide the user IDs for each tool you use to communicate with this buddy. [More Info](#)". Below this prompt is a table with two rows. The first row is labeled "IM Accounts" and contains a dropdown menu with "AIM" selected, a "Next Tool ID" field, and a "More Info" link. The second row is labeled "+ Added row" and contains a dropdown menu with "-Select-" selected, a "Next Tool ID" field, and a "More Info" link. Below the table, there is a link "+ Add Another Account...". At the bottom of the form, there is a "Save Changes" button.

861

866

867

862

863

864

865

[View](#) | [Edit](#)

[Buddy Overview](#)

[Contact Information](#)

[Topic Sharing](#)

[File Sharing](#)

Provide the user IDs for each tool you use to communicate with this buddy. [More Info](#)

868

869

870

IM Accounts

AIM

AIM Screen Na

[More Info](#)

+ Added row

-Select-

Next Tool ID

[More Info](#)

872

+ Add Another Account...

873

871

:: [Save Changes](#)

874

FIG. 8B

AMENDED

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Edit fatbubble° Profile - friskyriggs

Buddy
Overview

Contact
Information

Topic
Sharing

File
Sharing

[View](#) | [Edit](#)

Use the checkboxes below to select which topic areas you want to share **by default**. You'll be able to turn these topic areas on or off for each user. [More Info](#)

Topics

881

882

☒ Select/Deselect All

☒ C:/fatbubble/shared/

☐ D:/projects/

☒ X:/shared/music/

+ Add File/Folder

883

:: [Save Changes](#)

FIG. 8C

AMENDED

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Edit fatbubble° Profile - friskyriggs

[View](#) | [Edit](#)

[Buddy Overview](#)

[Contact Information](#)

[Topic Sharing](#)

[File Sharing](#)

Use the checkboxes below to select which topic areas you want to share **by default**. You'll be able to turn these topic areas on or off for each user. [More Info](#)

Topics

891

892

☒ Select/Deselect All

☒ Arts & Entertainment

☒ Computers & Internet

☒ Food

☒ Games

☒ Health & Fitness

☒ Home

☒ Money

☒ Music

☒ News

☒ People

☒ Reference

☒ Science & Technology

☒ Shopping

☒ Sports

☒ Travel

[+ Add Topic Area](#)

893

::

[Save Changes](#)

FIG. 8D

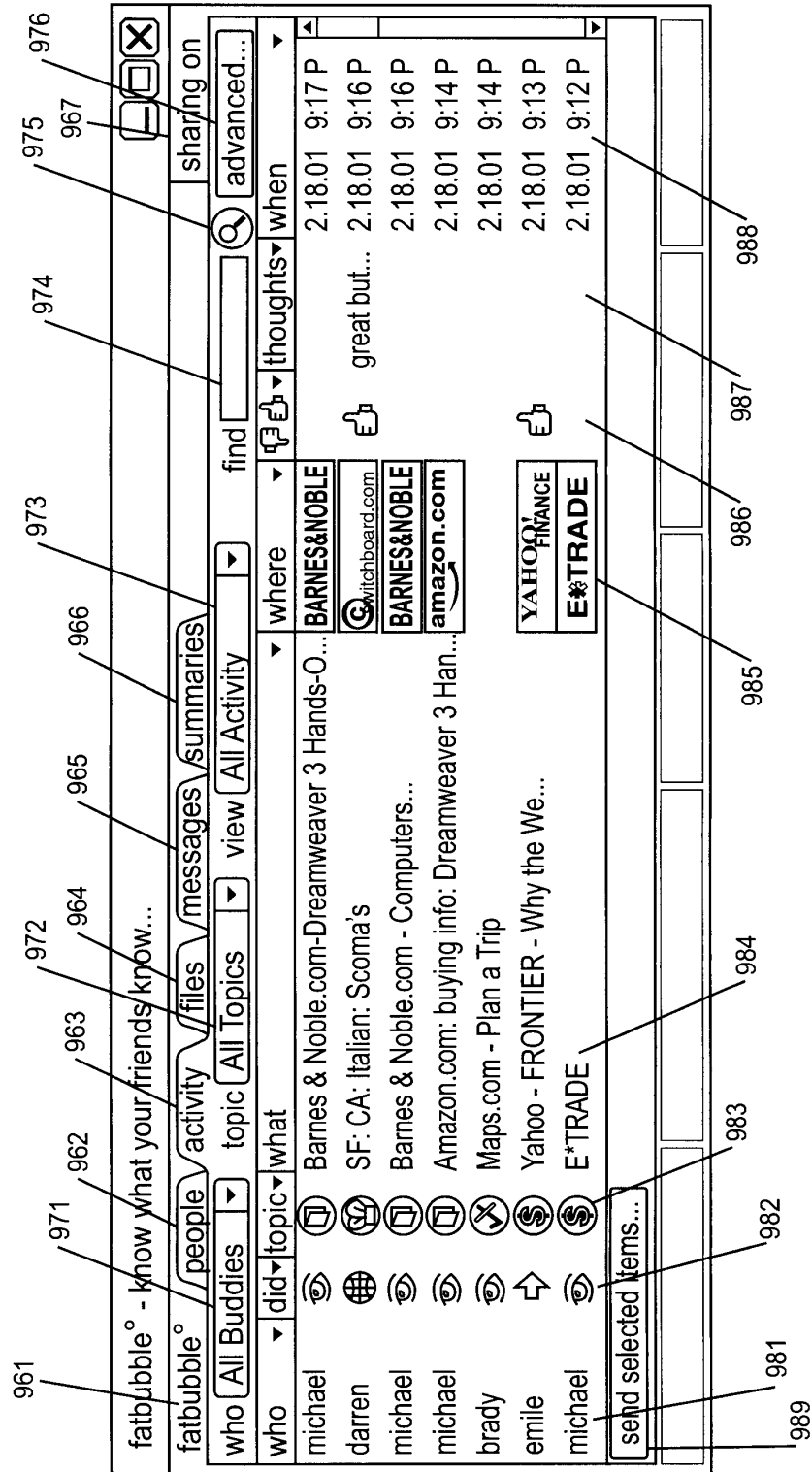
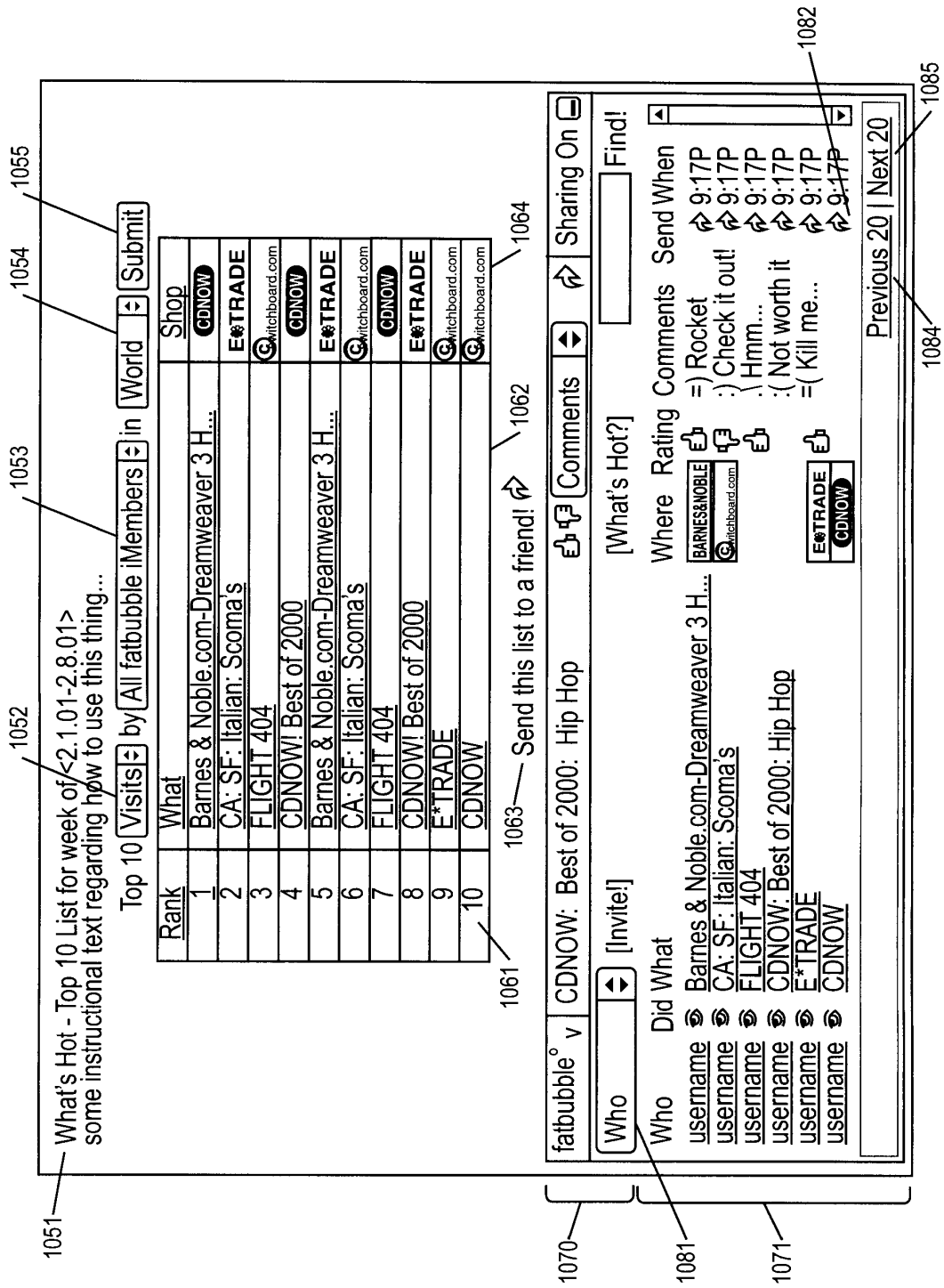


FIG. 9



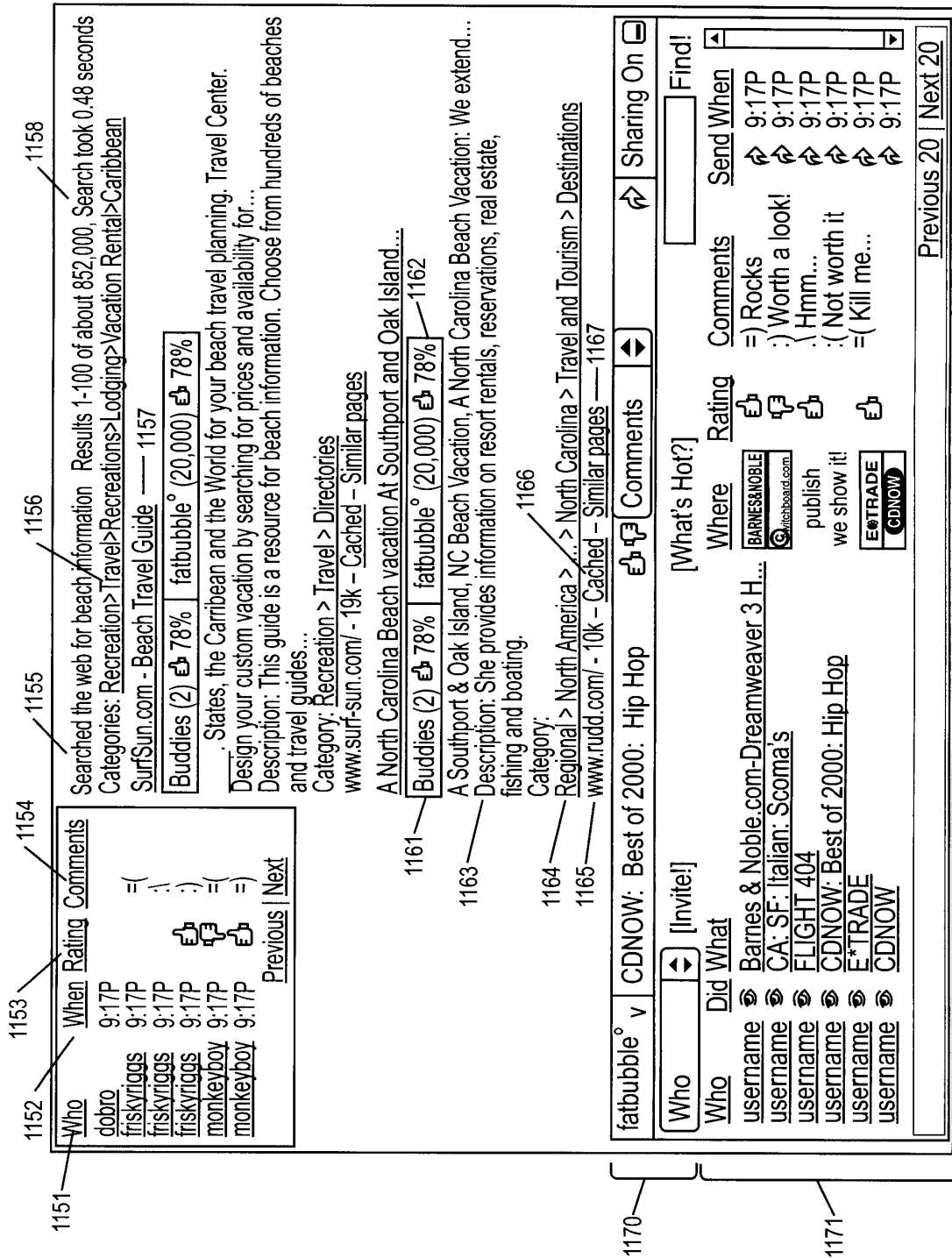


FIG. 11

AMENDED

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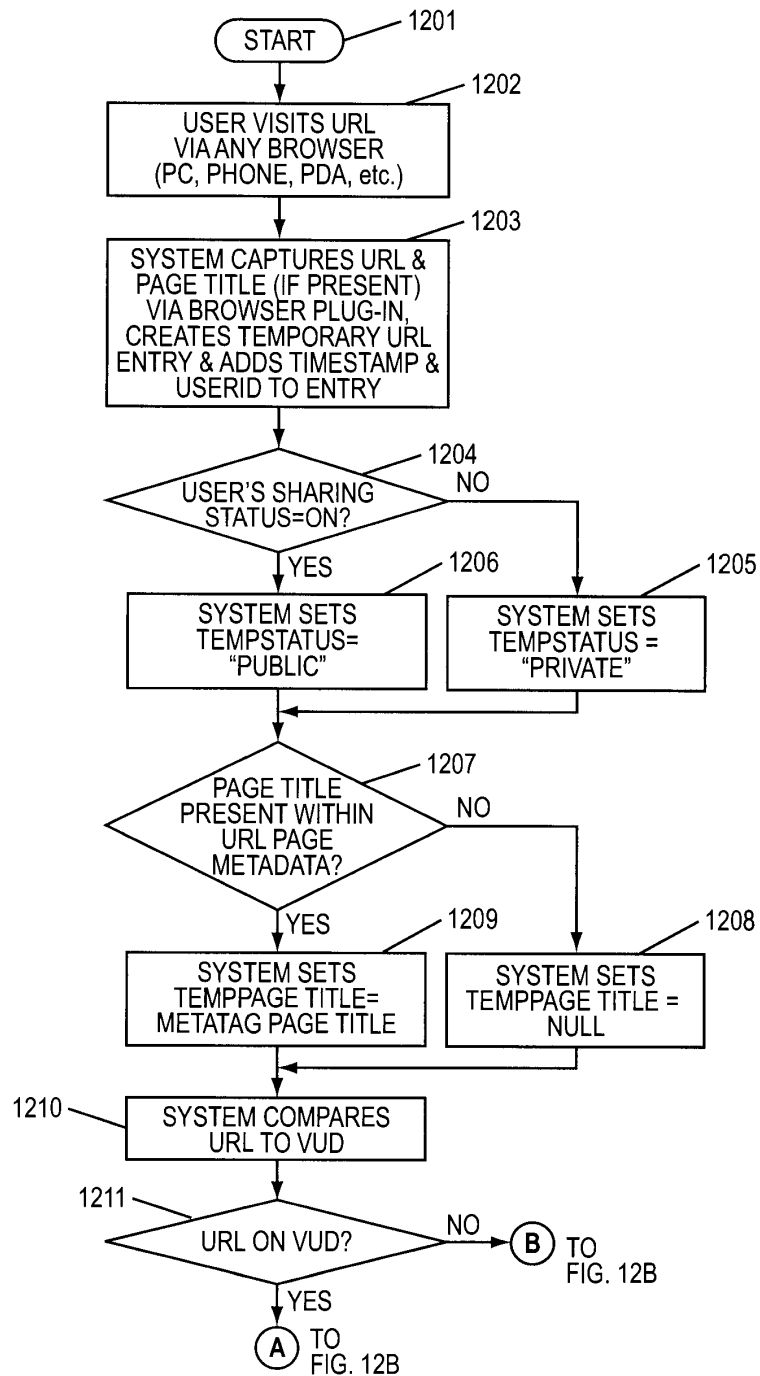


FIG. 12A

AMENDED

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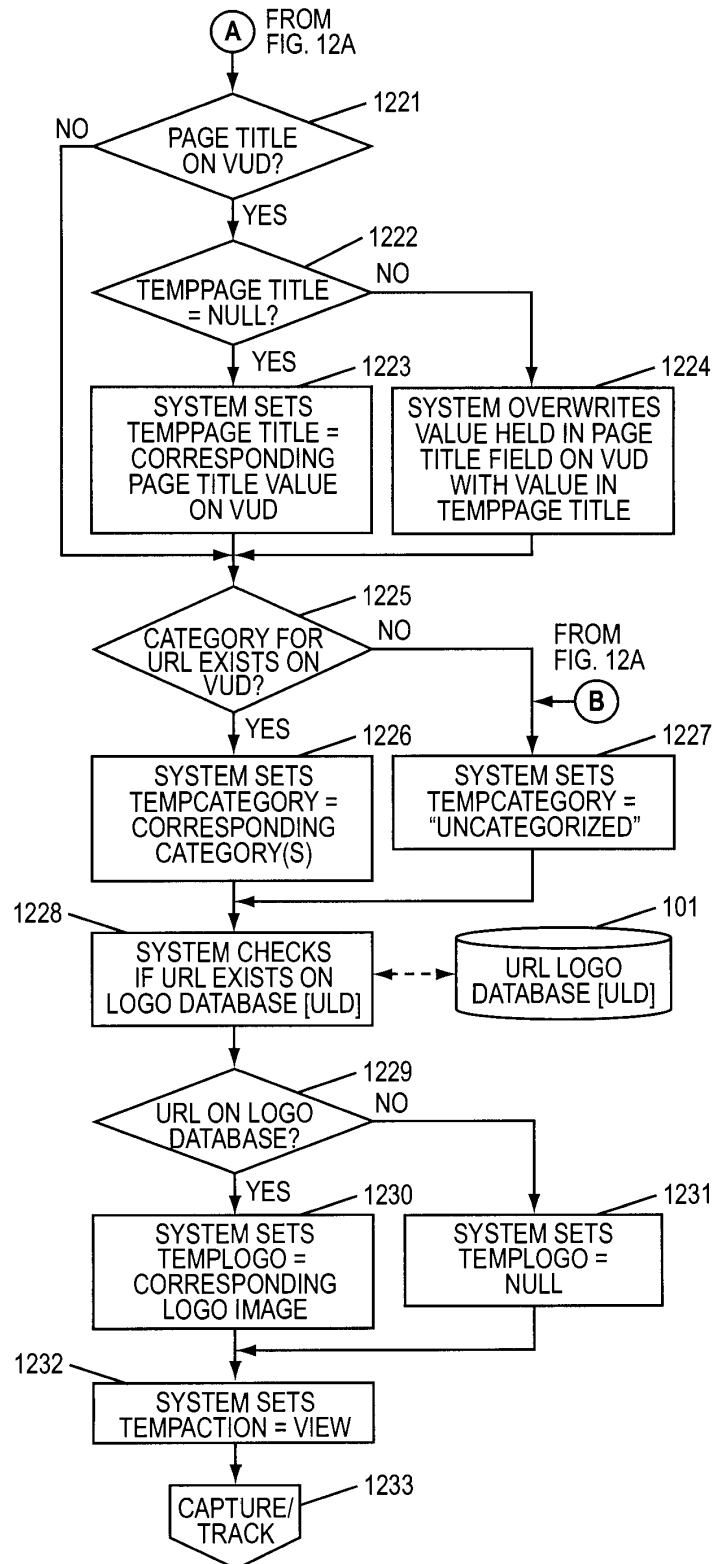


FIG. 12B

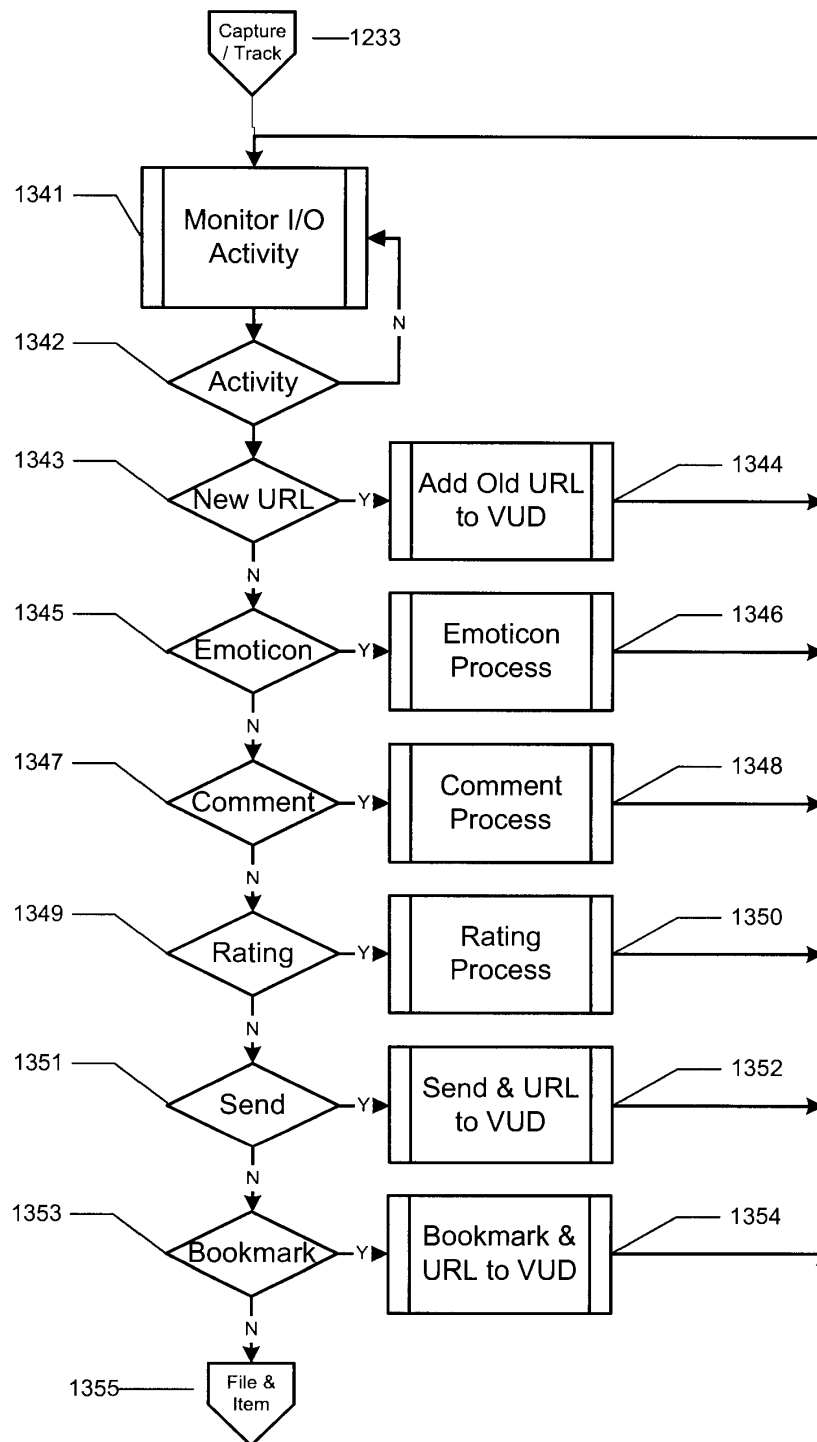


Figure 13

AMENDED

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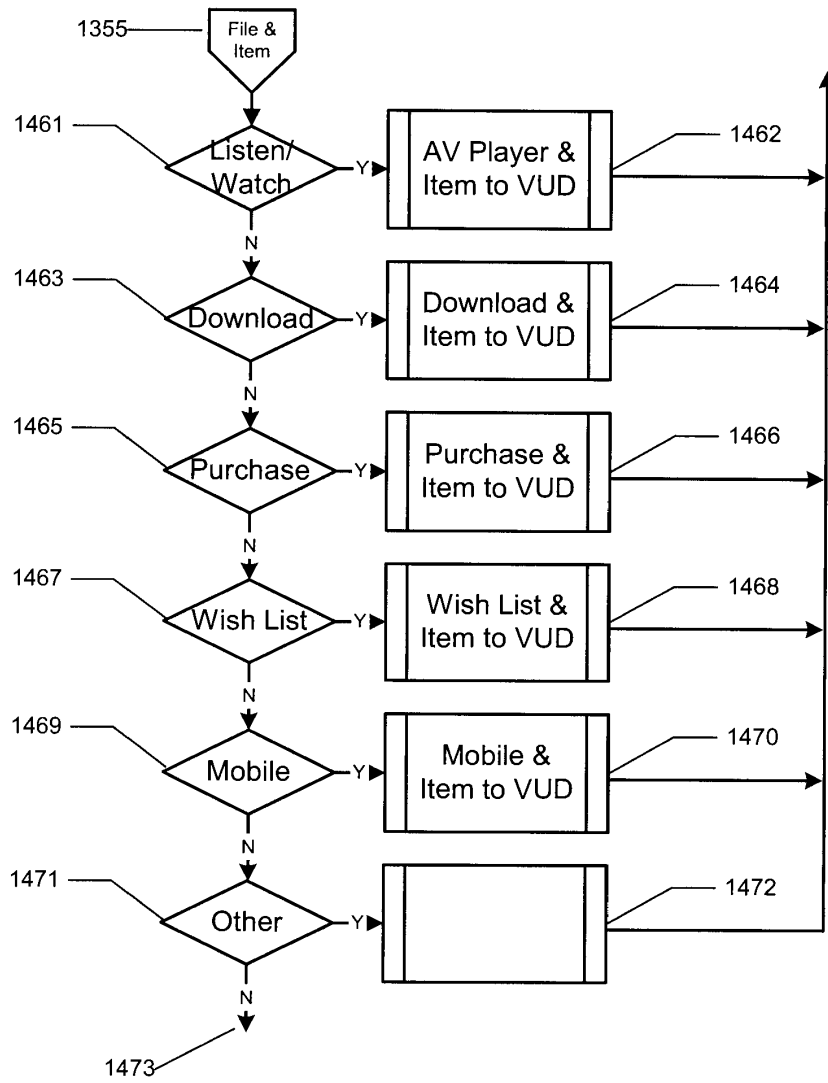


Figure 14

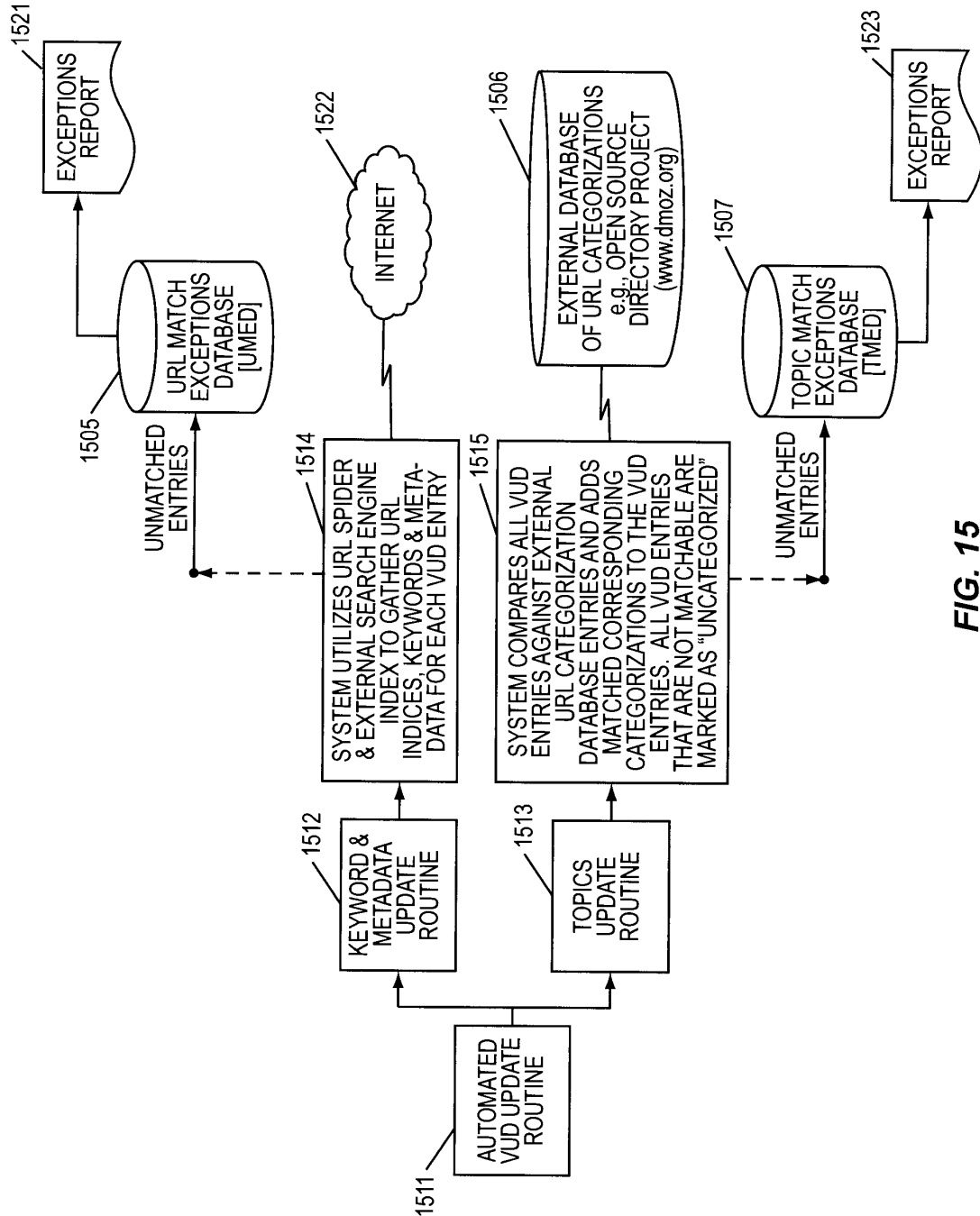


FIG. 15

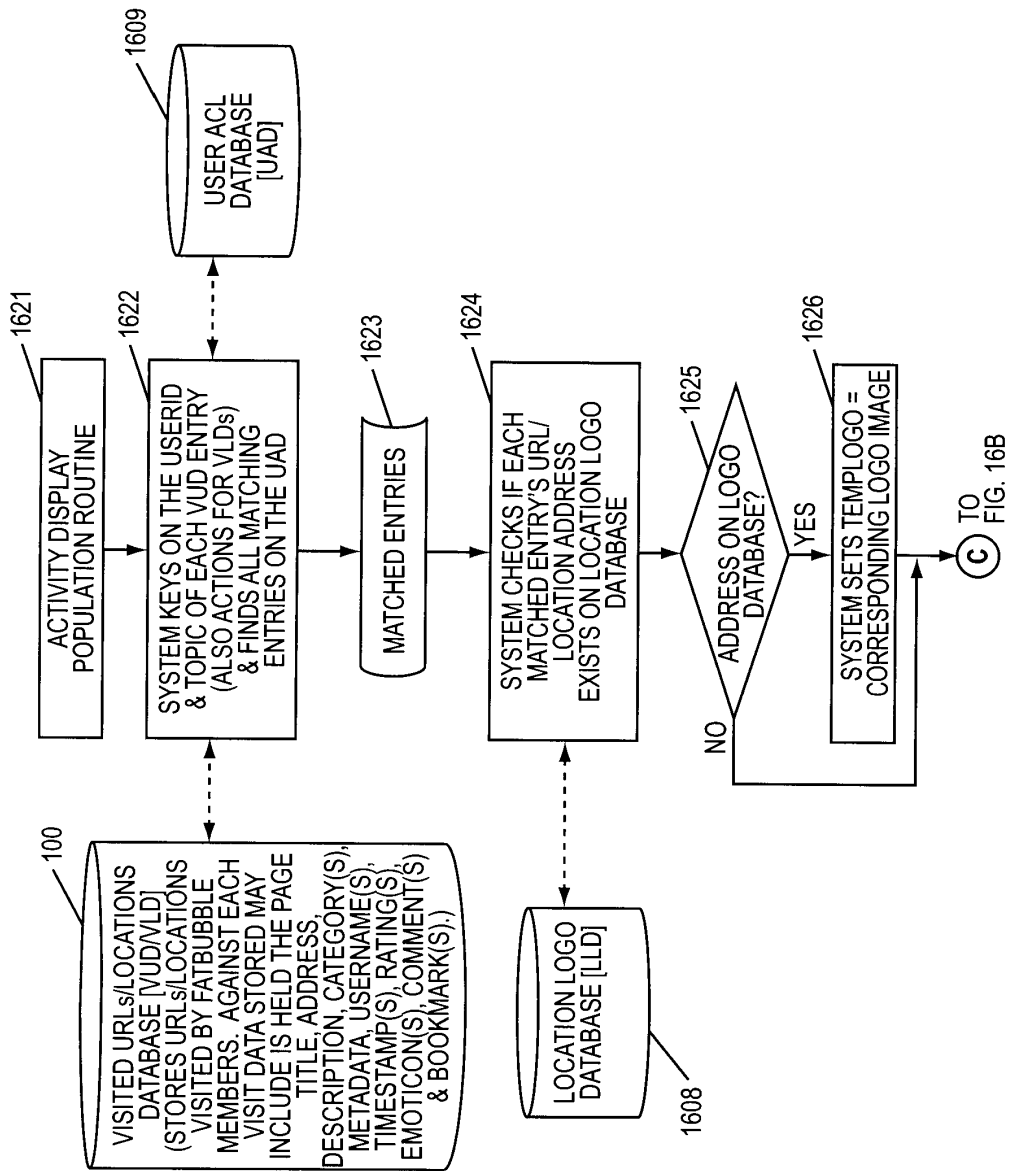
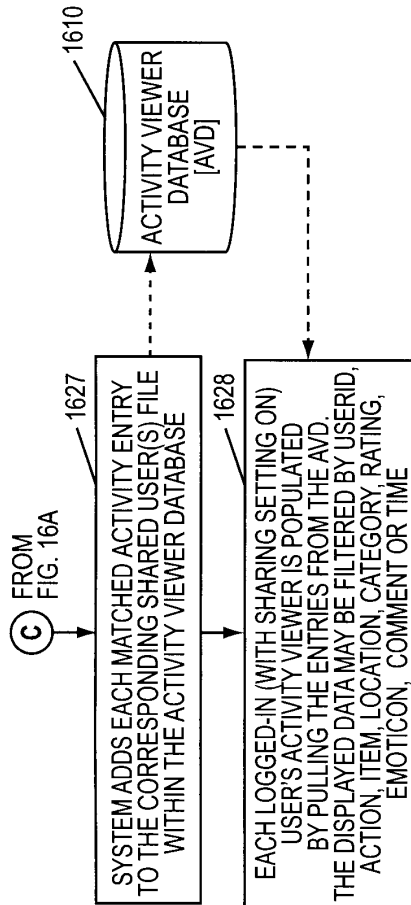


FIG. 16A



1629

fatbubble° - know what your friends know...

fatbubble° / people / activity / files / messages / summaries

who [All Buddies] topic [All Topics] view [All Activity] find [] thoughts when [] advanced...

who	did	topic	what	where	find	thoughts	when
michael			Barnes & Noble.com-Dreamweaver 3 Hands-O...	BARNES&NOBLE			2.18.01 9:17 P
darren			SF: CA: Italian: Scoma's	switchboard.com	great but...		2.18.01 9:16 P
michael			Barnes & Noble.com - Computers...	BARNES&NOBLE			2.18.01 9:16 P
michael			Amazon.com: buying info: Dreamweaver 3 Han...	amazon.com			2.18.01 9:14 P
brady			Maps.com - Plan a Trip				2.18.01 9:14 P
emile			Yahoo - FRONTIER - Why the We...	YAHOO! FINANCE			2.18.01 9:13 P
michael			E*TRADE	E*TRADE			2.18.01 9:12 P

send selected items...

FIG. 16B

AMENDED

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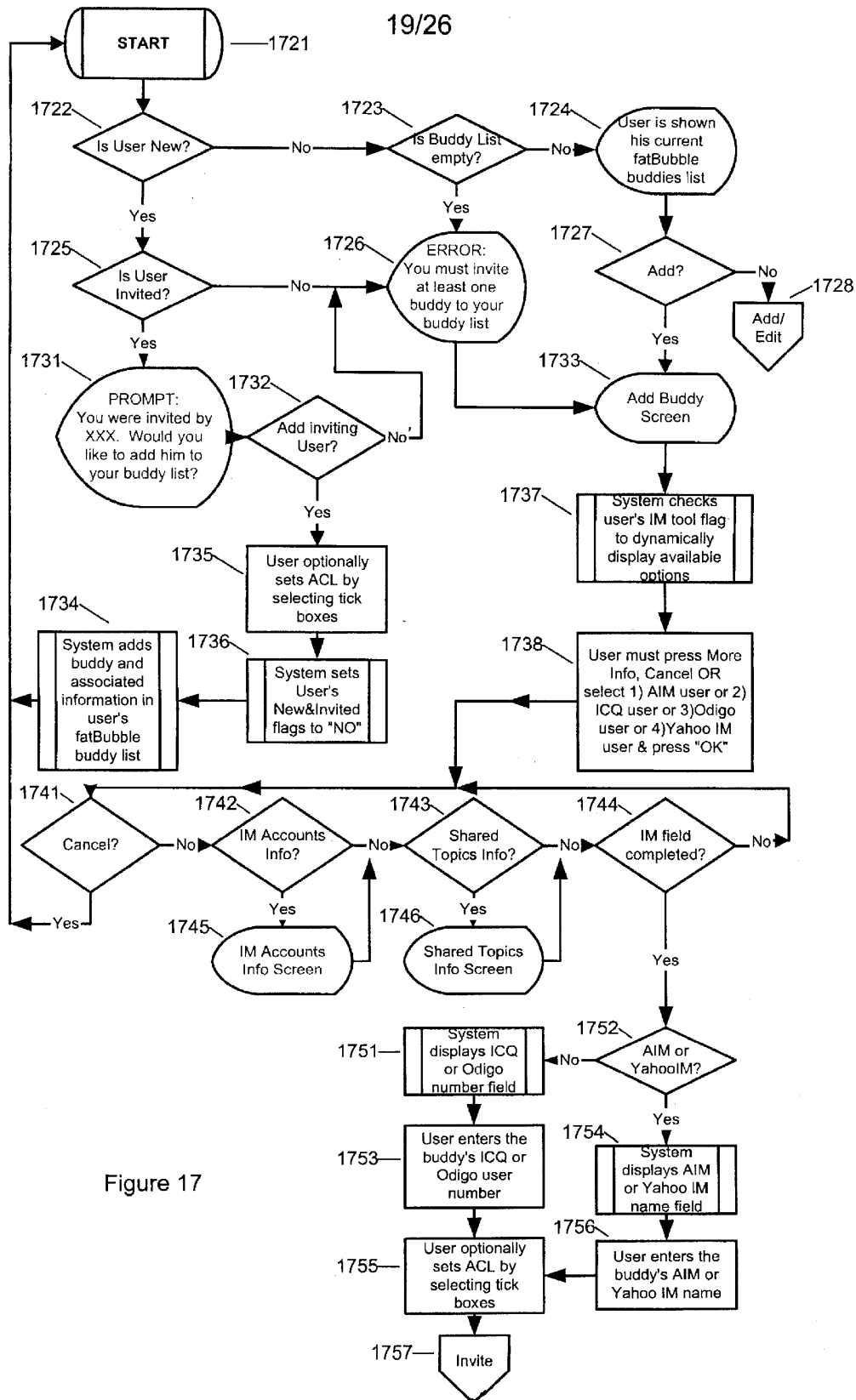


Figure 17

AMENDED

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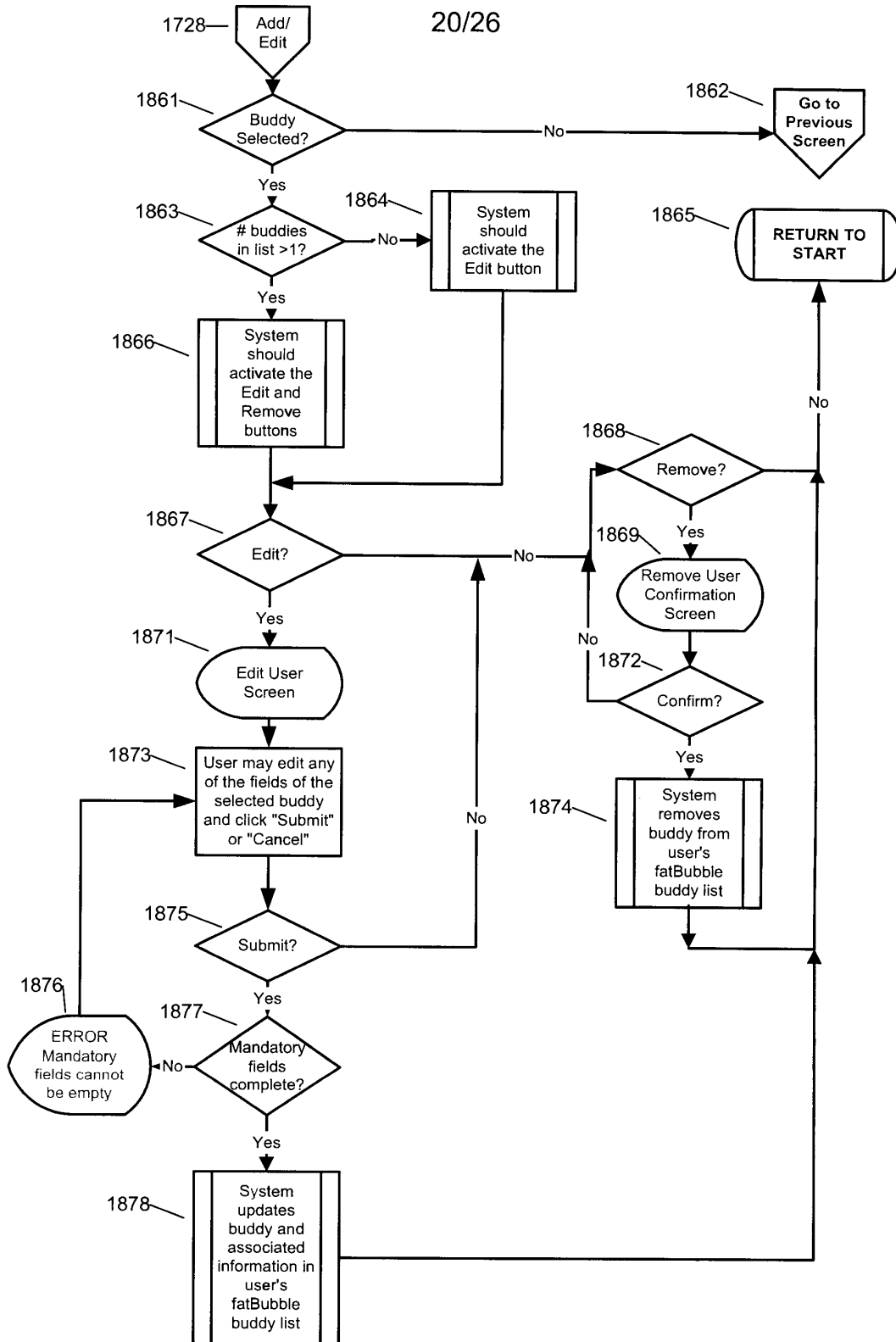


Figure 18

AMENDED

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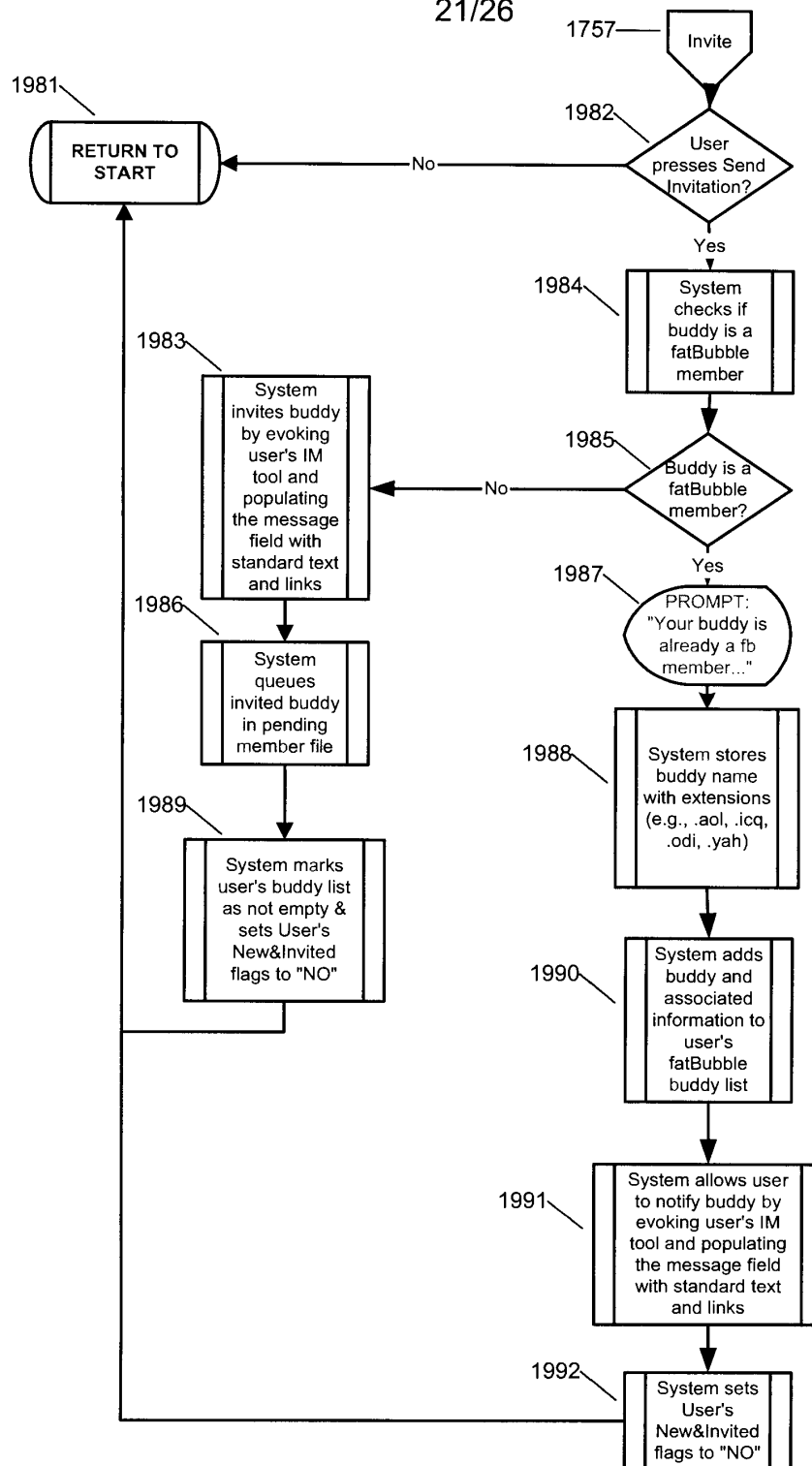


Figure 19

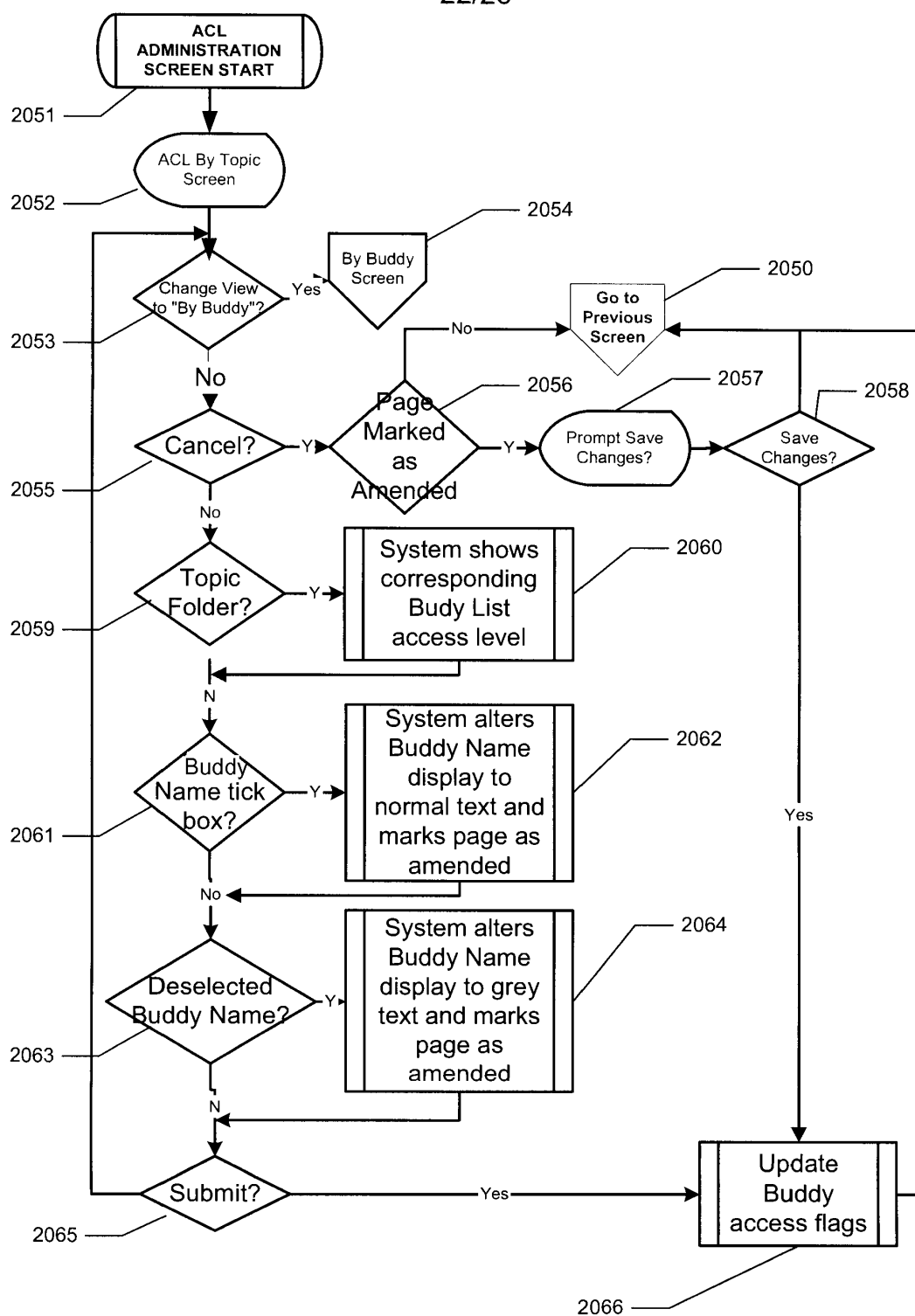


Figure 20

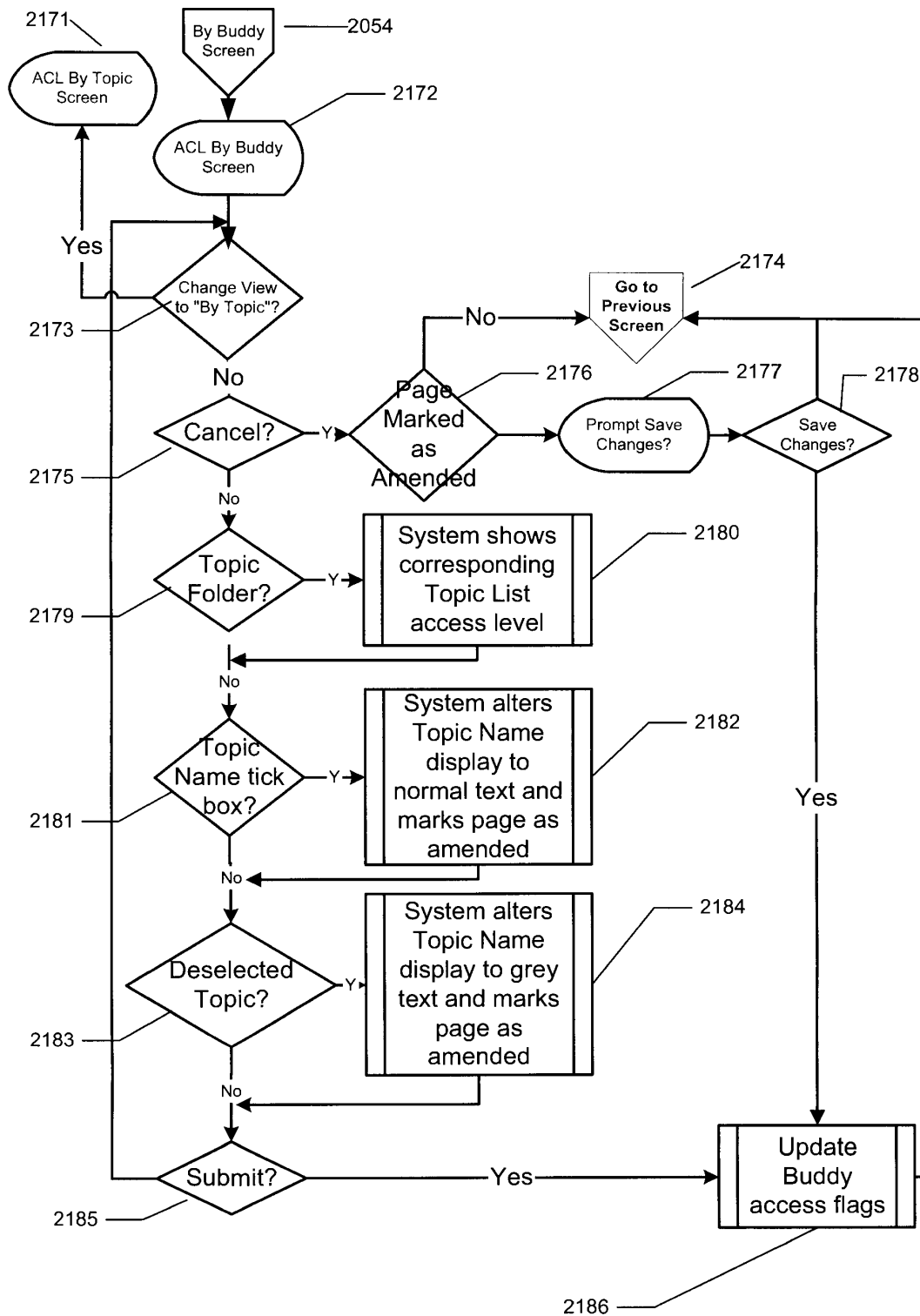
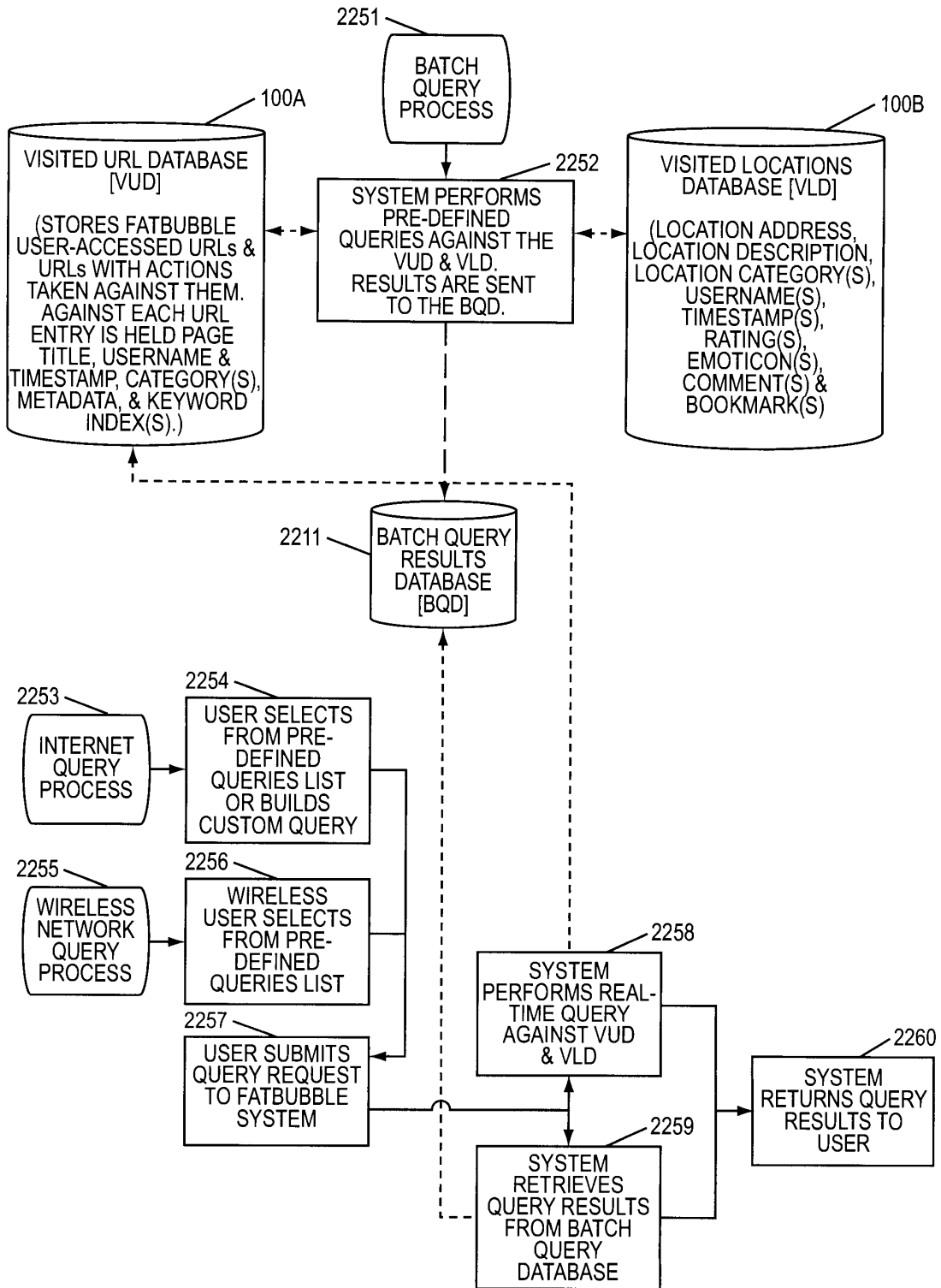


Figure 21

AMENDED

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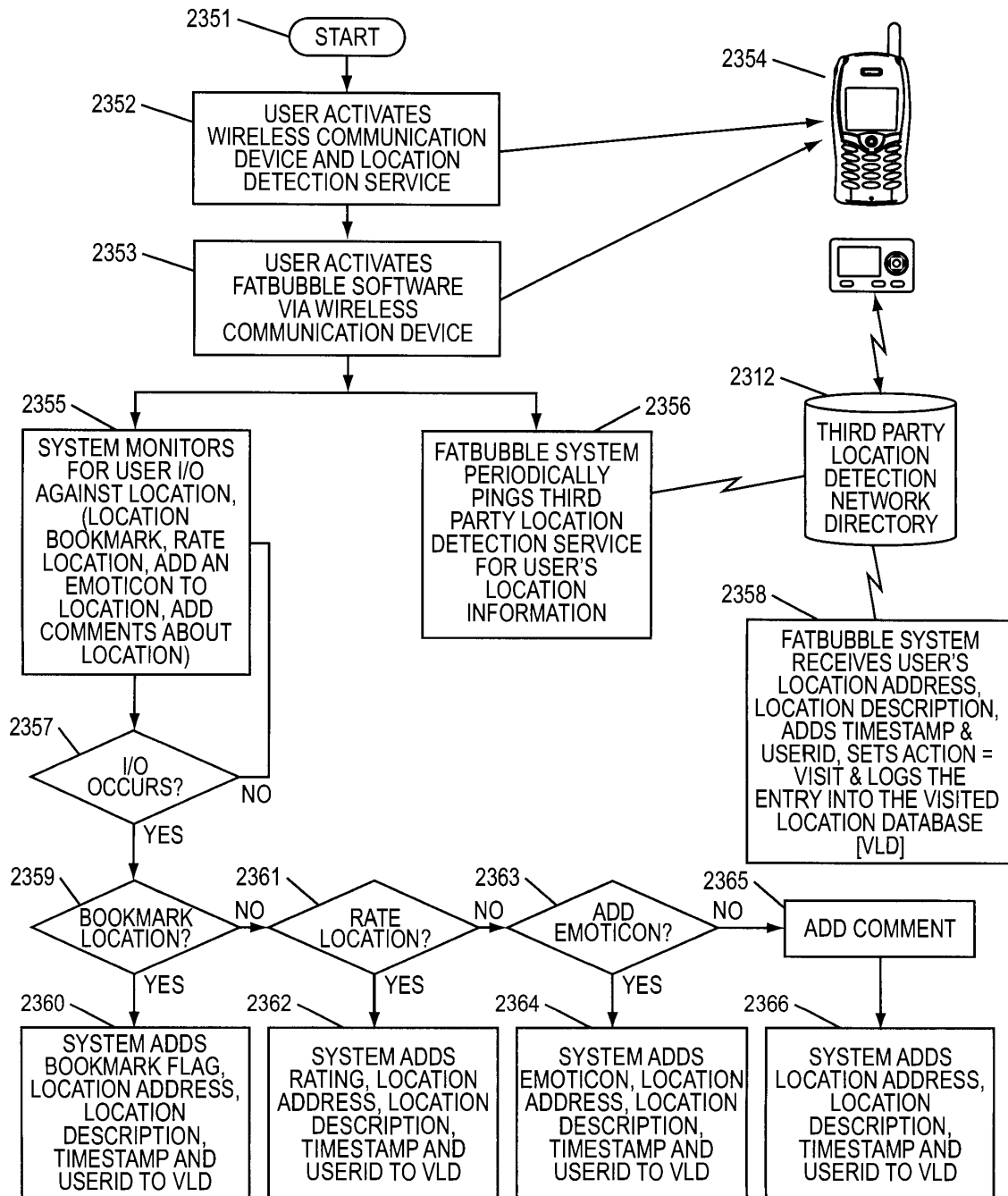


FIG. 23

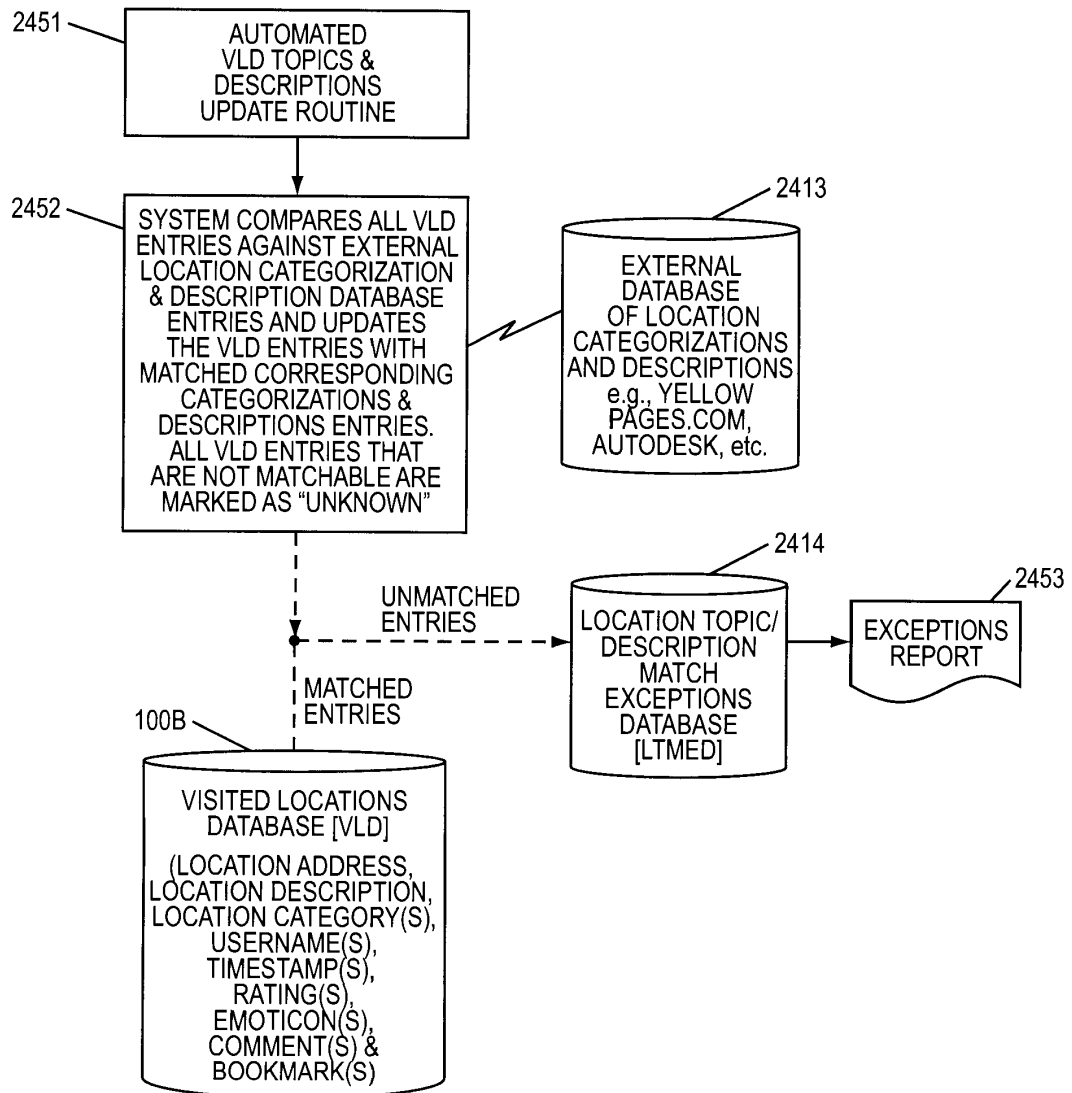


FIG. 24

AMENDED

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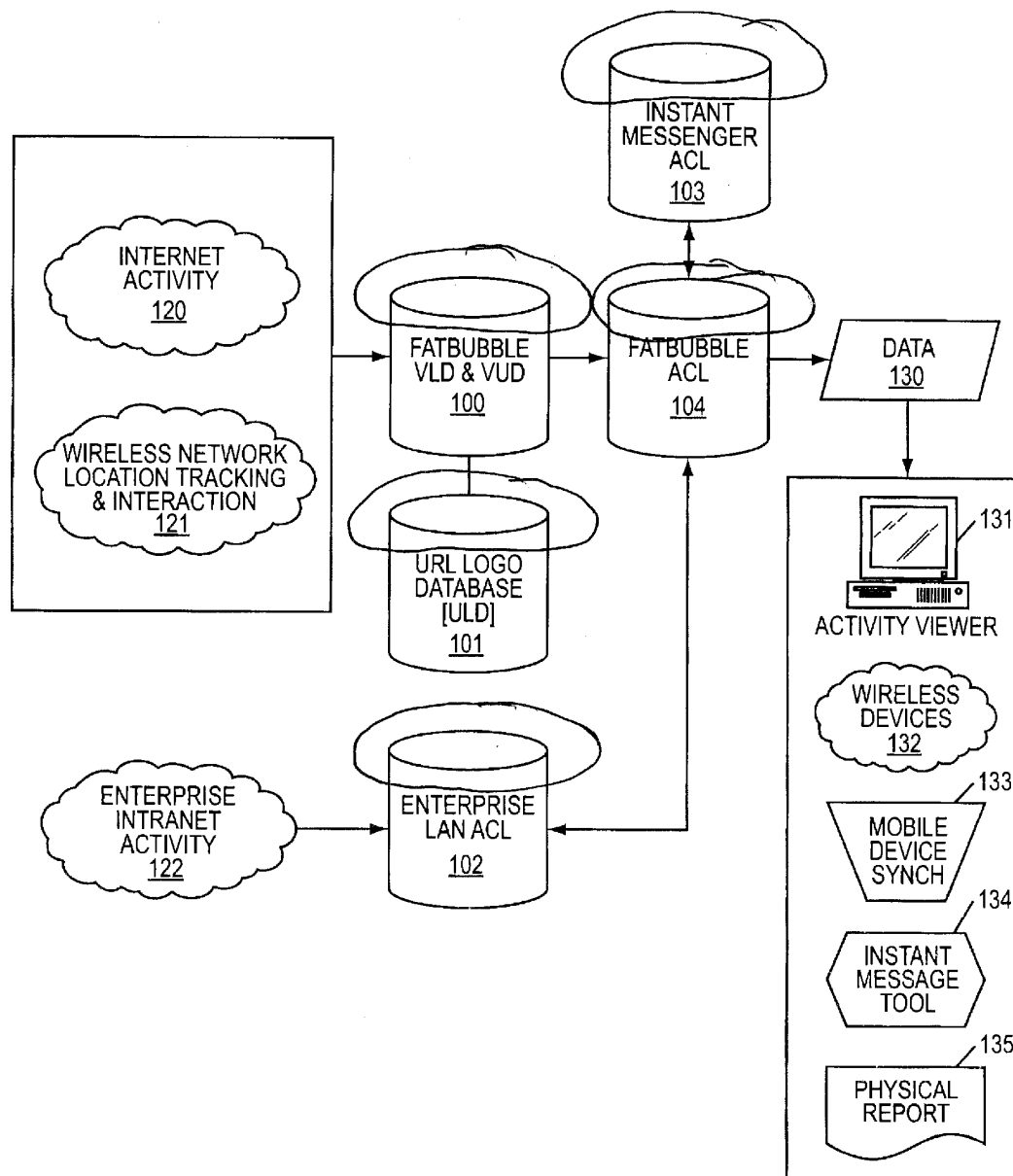


FIG. 1

AMENDED

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fatbubble° Sign On

Type your user name and password to sign on to fatbubble°.

User Name

Password

[Create a new user](#)

[I forgot my password](#)

:: Sign On

*You must be a registered user to sign on to fatbubble°. [Join fatbubble° now!](#)

FIG. 2

fatbubble°

CDNOW: Best of 2000: Hip Hop

Comments

Sharing On

Find!

What's Hot?

Find!

<future home of
ticker?>

FIG. 3

AMENDED

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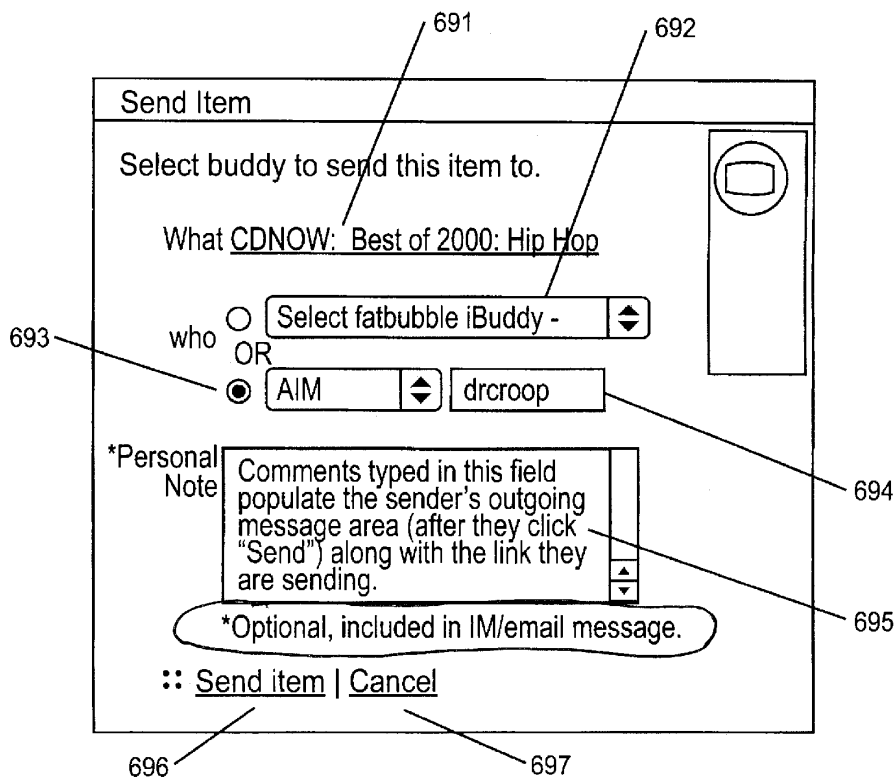


FIG. 6

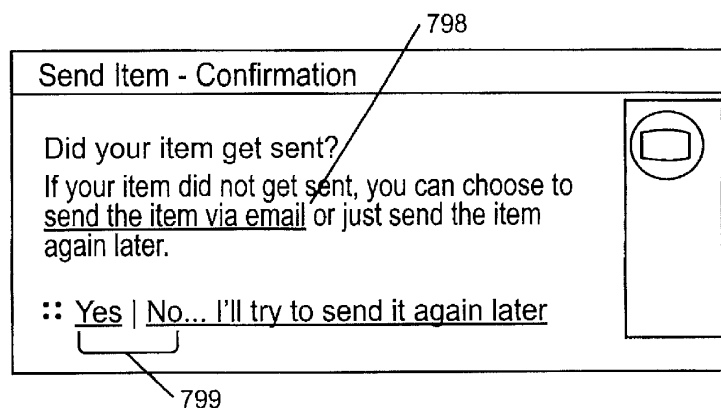
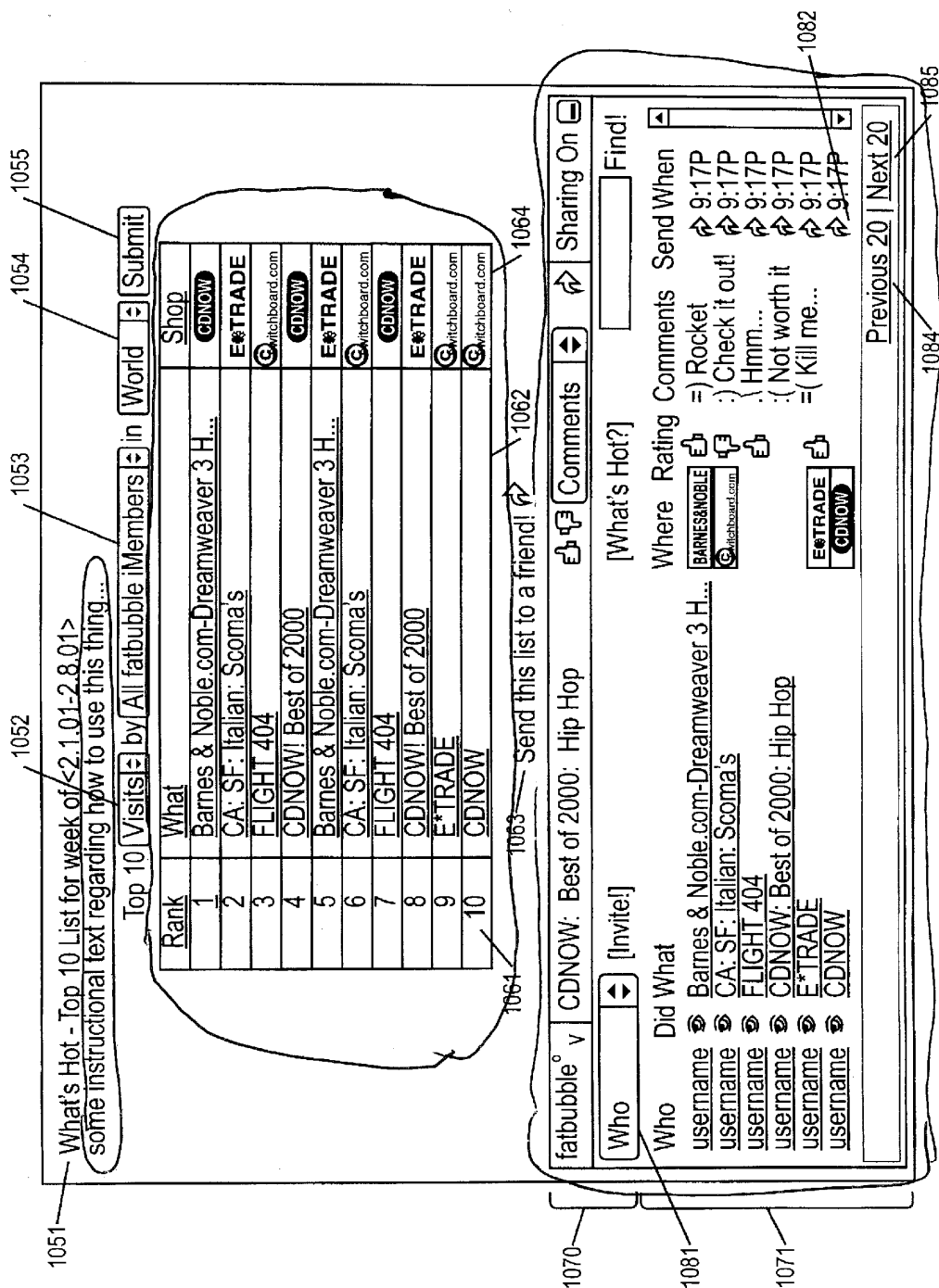


FIG. 7

AMENDED

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AMENDED

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1151 1152 1153 1154 1155 1156 1158

Searched the web for beach information Results 1-100 of about 852,000. Search took 0.48 seconds
Categories: Recreation>Travel>Recreations>Lodging>Vacation Rental>Caribbean
SurfSun.com - Beach Travel Guide — 1157

Buddies (2) 78% fatbubble° (20,000) 78%

States, the Caribbean and the World for your beach travel planning. Travel Center.
Design your custom vacation by searching for prices and availability for...
Description: This guide is a resource for beach information. Choose from hundreds of beaches and travel guides...

Category: Recreation > Travel > Directories
www.surf-sun.com/ - 19k - Cached - Similar pages

A North Carolina Beach vacation At Southport and Oak Island...

Buddies (2) 78% fatbubble° (20,000) 78%

A Southport & Oak Island, NC Beach Vacation, A North Carolina Beach Vacation: We extend...
Description: She provides information on resort rentals, reservations, real estate, fishing and boating.

Category: Regional > North America >... > North Carolina > Travel and Tourism > Destinations
www.rudd.com/ - 10k - Cached - Similar pages — 1167

fatbubble° v CDNOW: Best of 2000: Hip Hop 78% 78% Comments Sharing On

Who [Invite!]

Who Did What

Who	Did What	Where	Rating	Comments	Send When
username	Barnes & Noble.com-Dreamweaver 3 H...	BARNES & NOBLE	78%	=) Rocks	9:17P
username	CA: SF: Italian: Scoma's	publish	78%	:) Worth a look!	9:17P
username	FLIGHT 404	we show it!	78%	:) Hmm...	9:17P
username	CDNOW: Best of 2000: Hip Hop	E*TRADE	78%	:) Not worth it	9:17P
username	E*TRADE	CDNOW	78%	=) Kill me...	9:17P
username	CDNOW				

Previous | Next

1170 1171

FIG. 11

AMENDED

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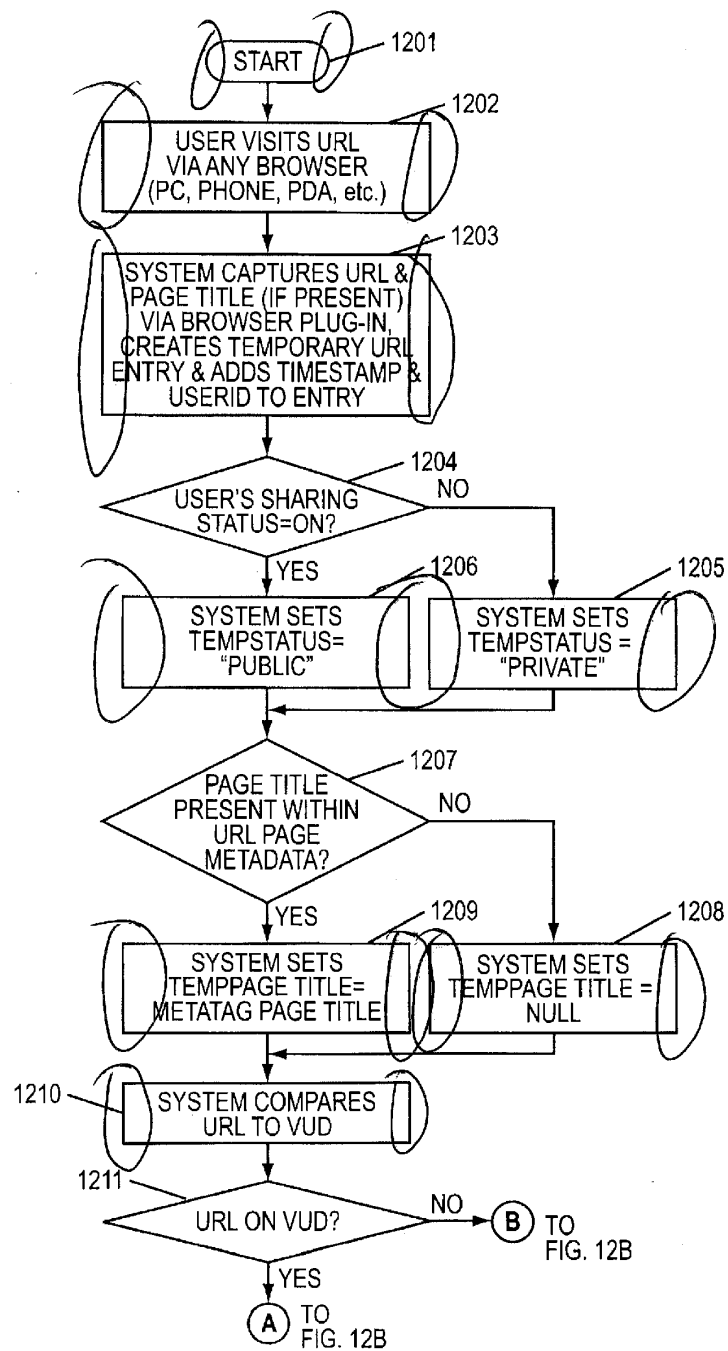
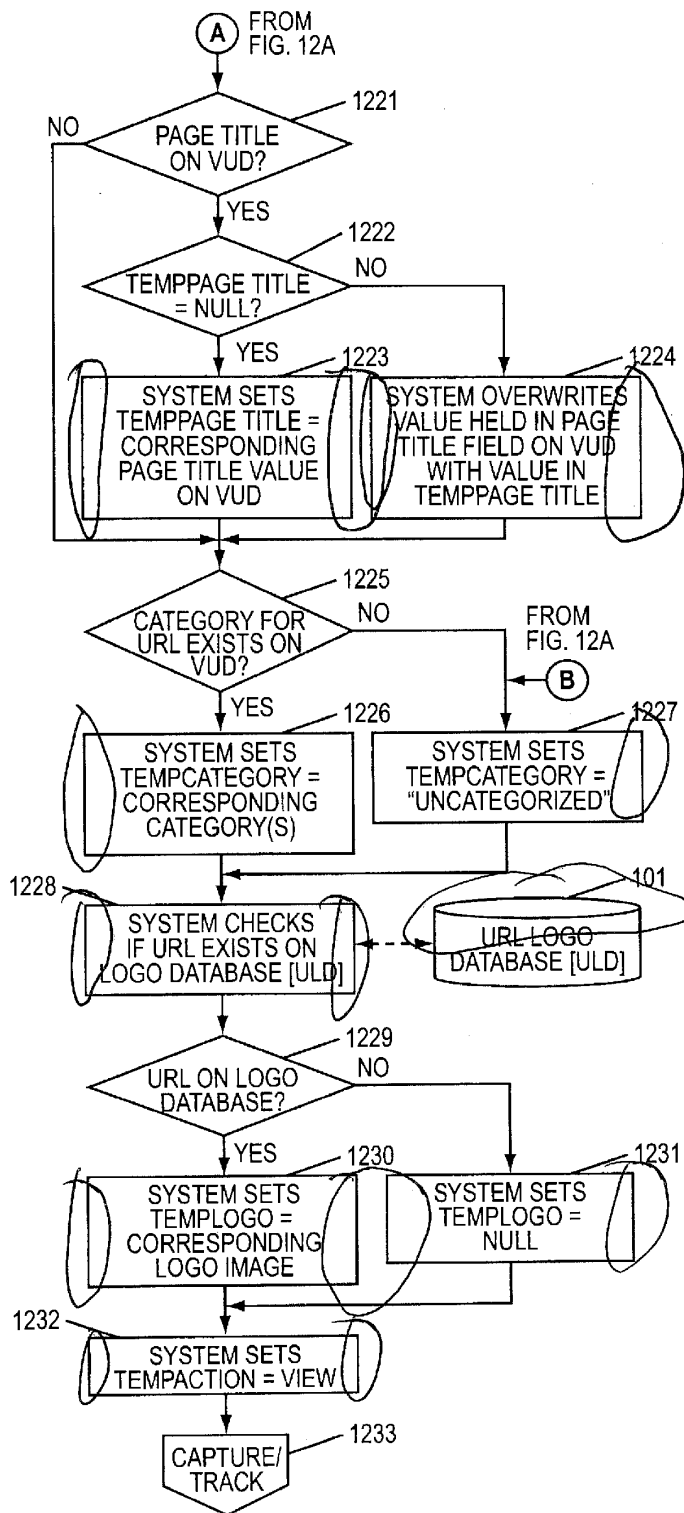


FIG. 12A

AMENDED

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AMENDED

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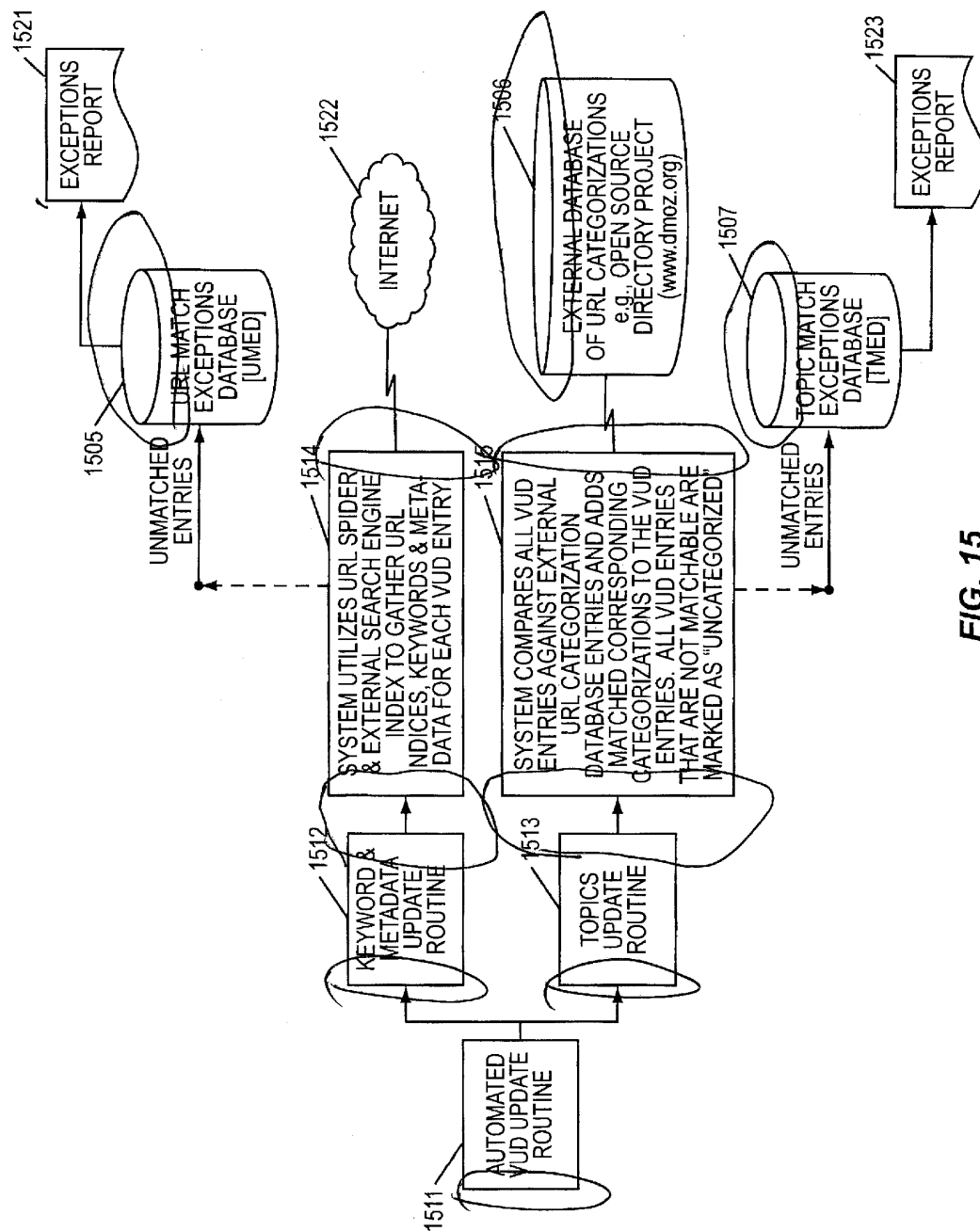


FIG. 15

AMENDED

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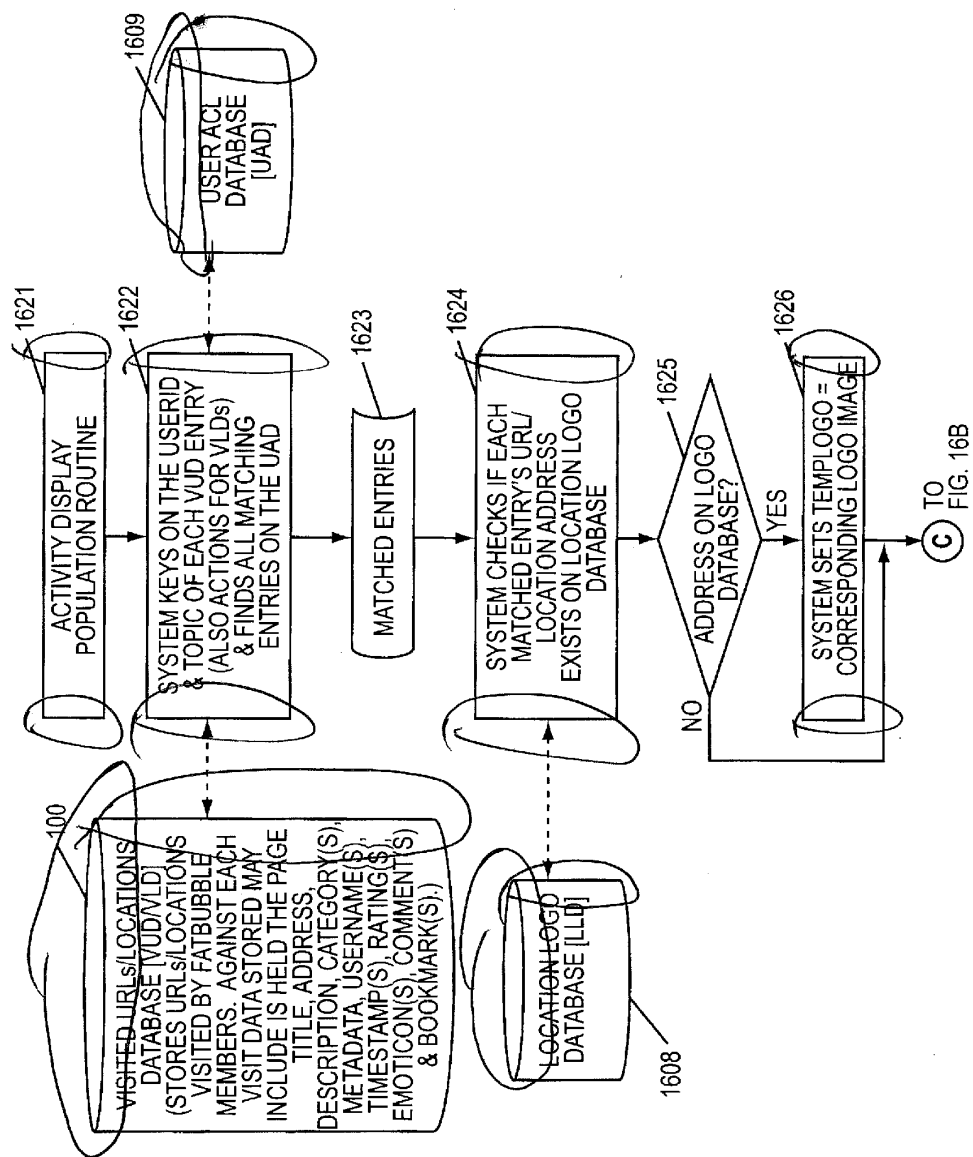
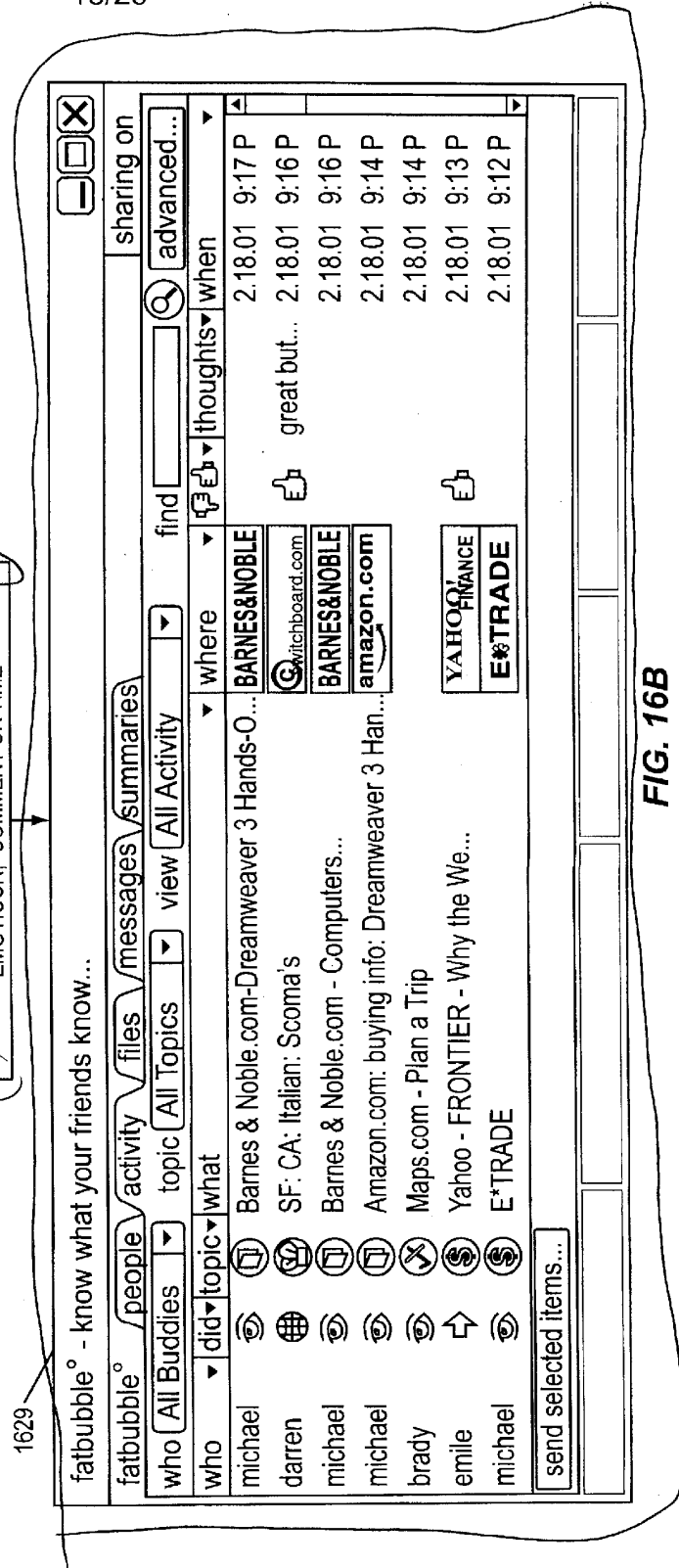
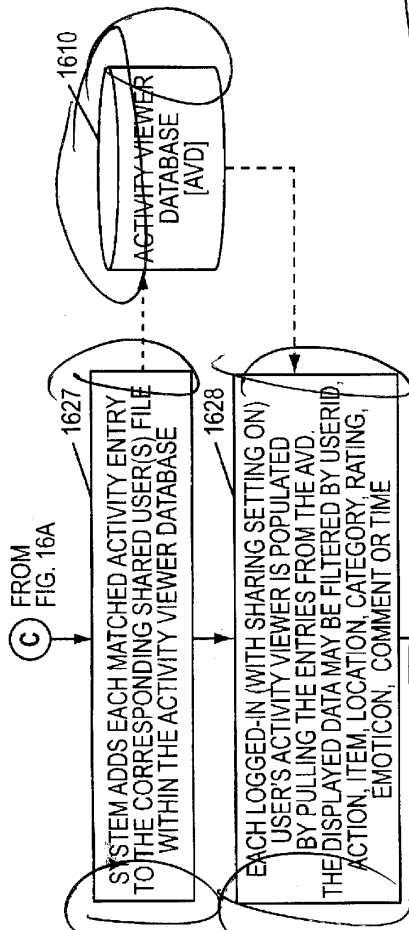


FIG. 16A

AMENDED

18/26



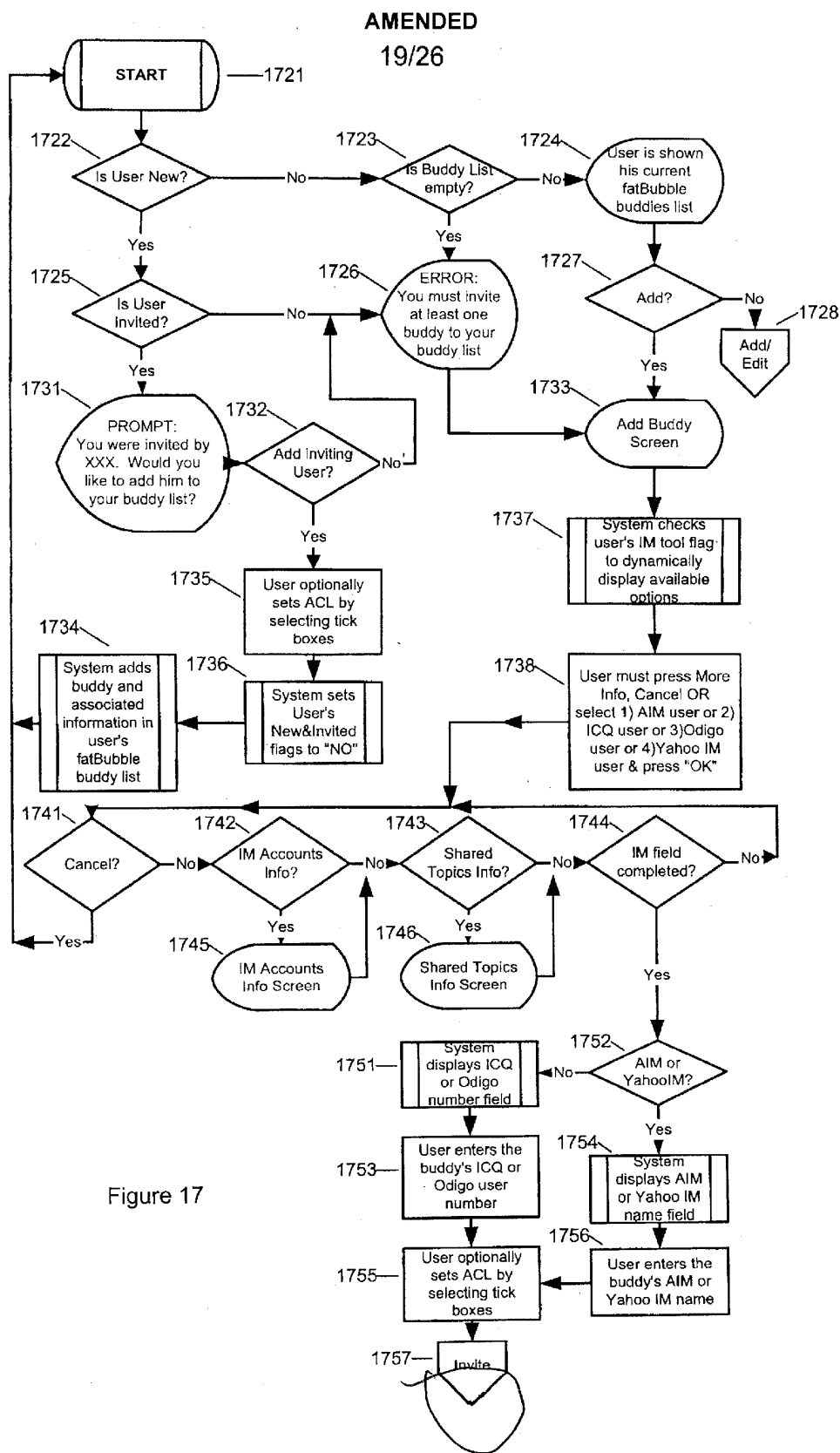


Figure 17

AMENDED

22/26

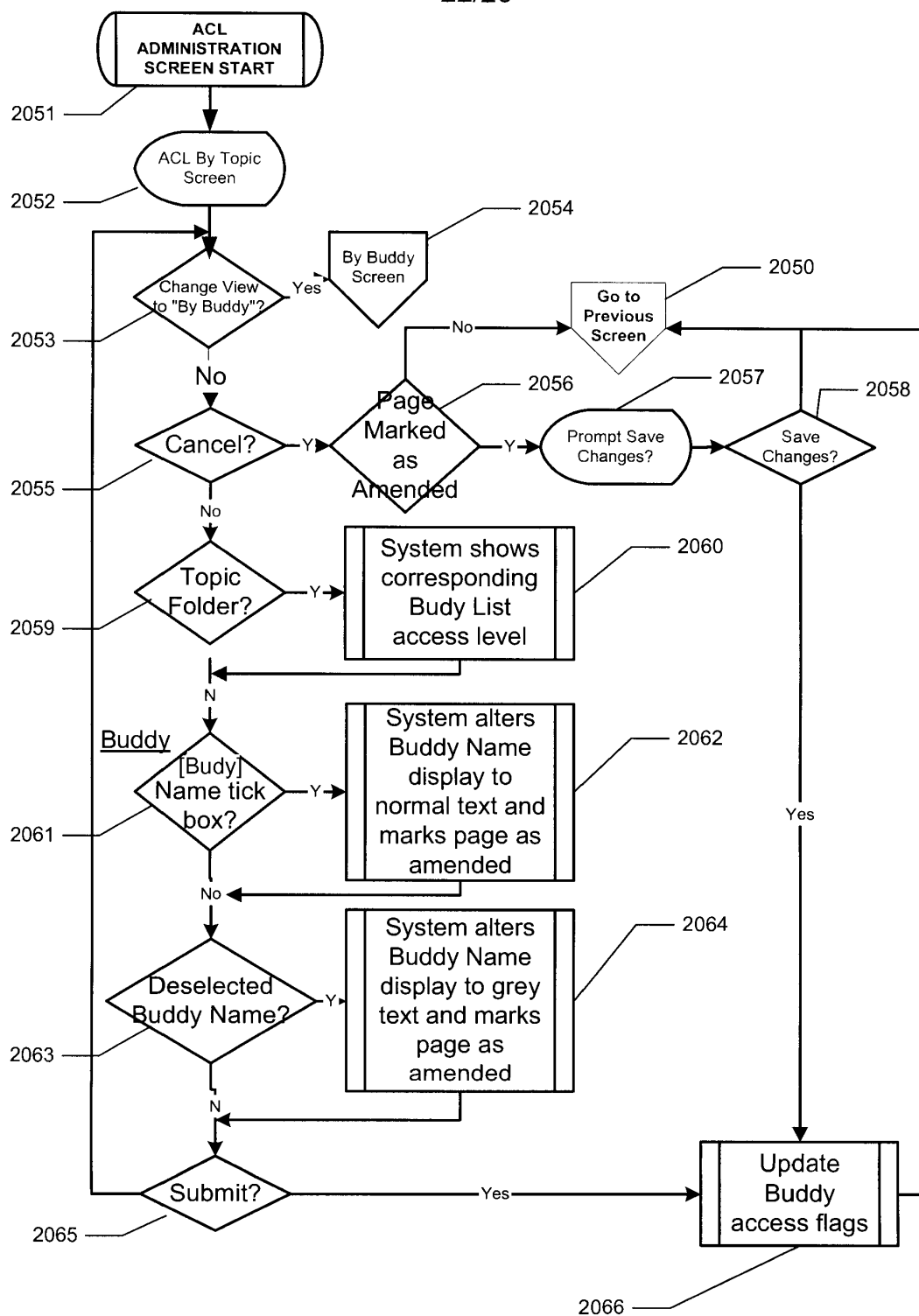


Figure 20

AMENDED
24/26

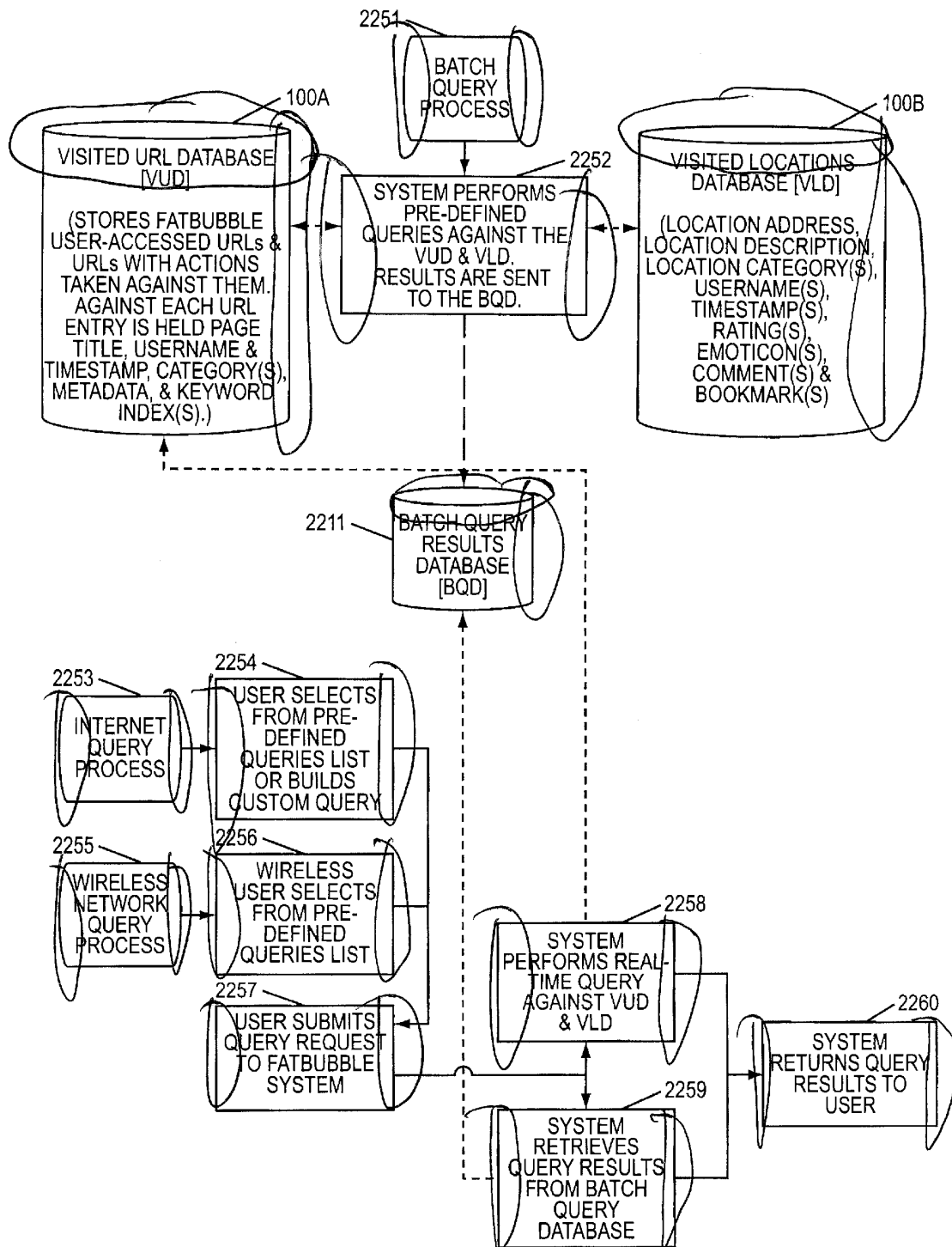


FIG. 22

AMENDED

25/26

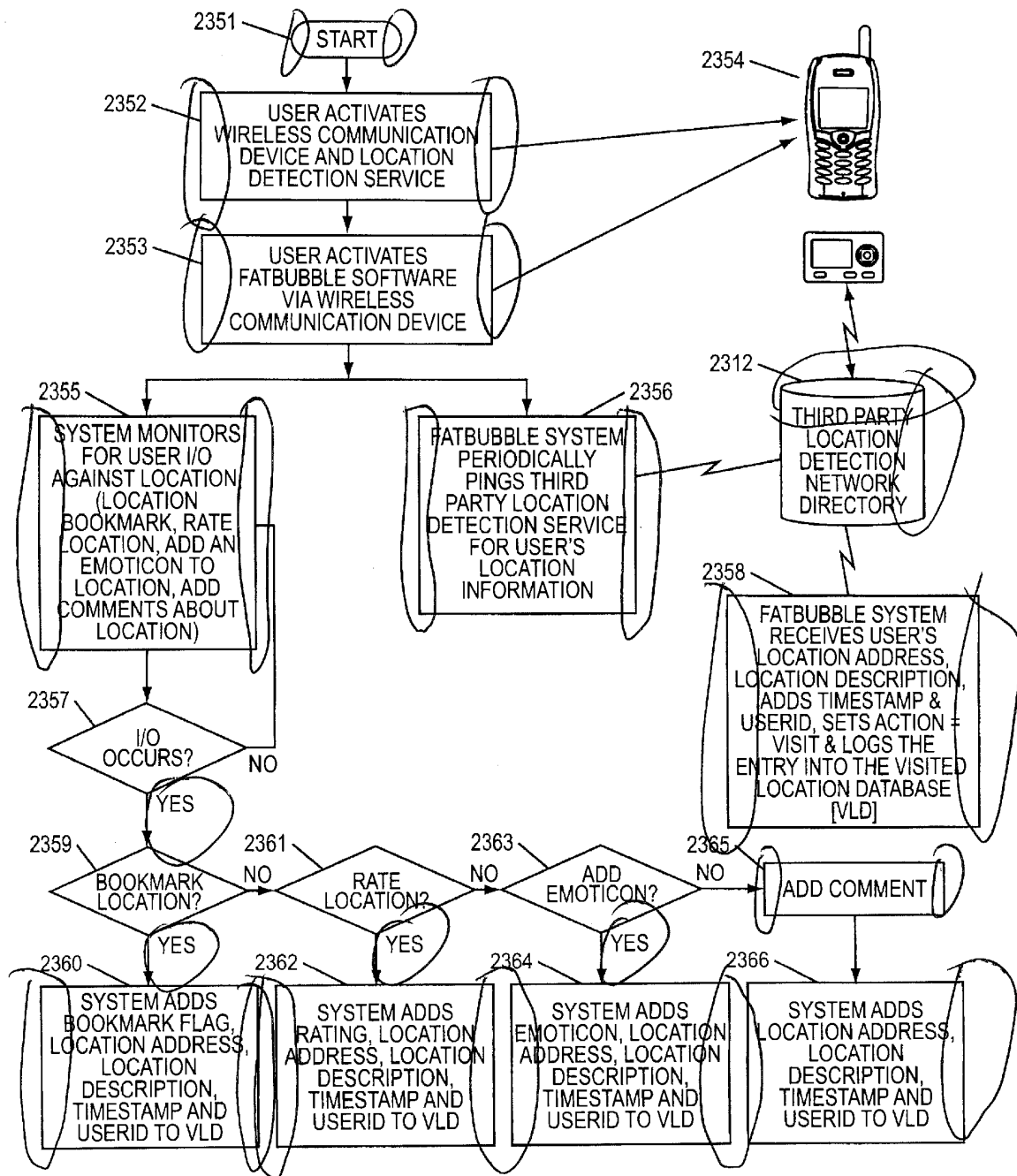


FIG. 23

AMENDED
26/26

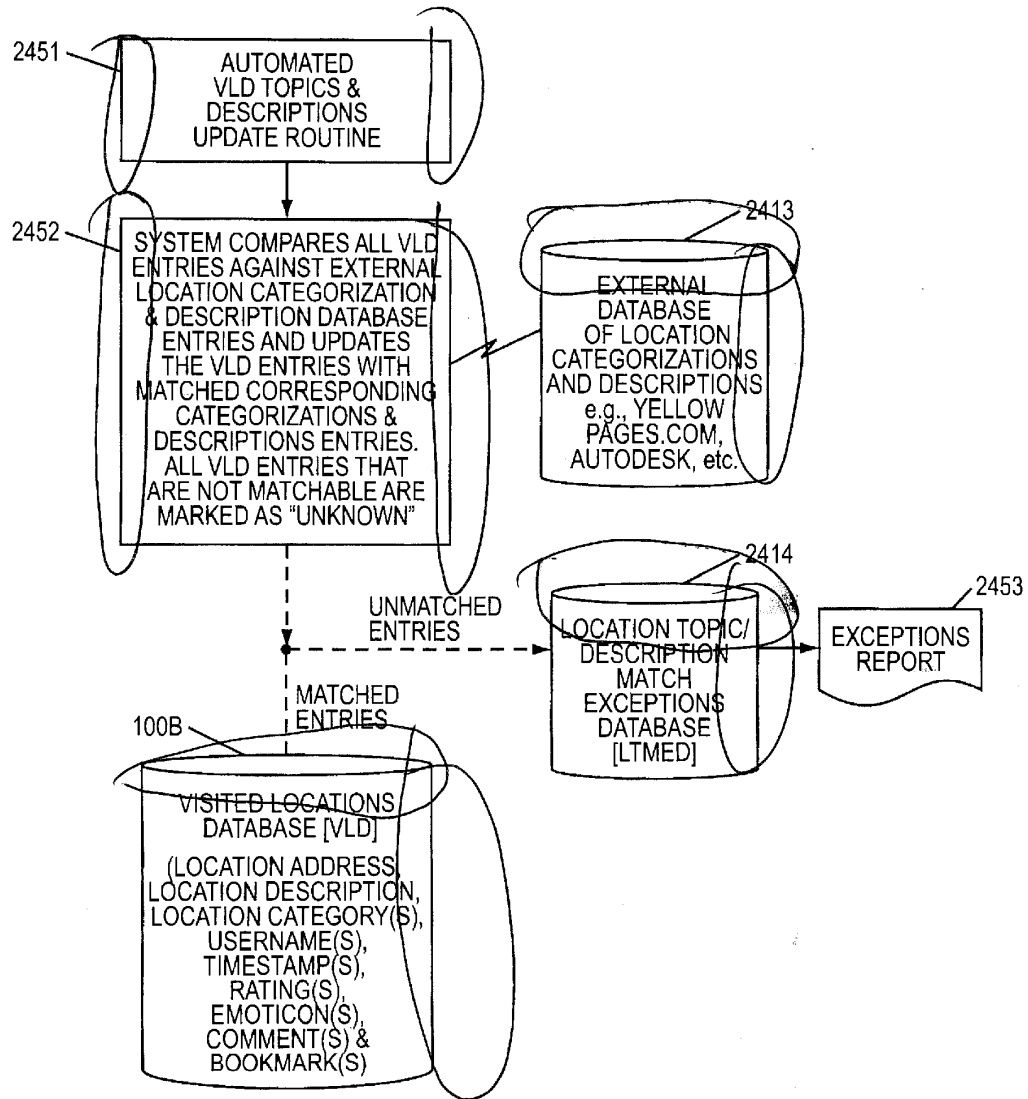


FIG. 24

Electronic Acknowledgement Receipt	
EFS ID:	22018012
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	119000
Filer:	Kevin Wingate/Cheryl Ramey
Filer Authorized By:	Kevin Wingate
Attorney Docket Number:	1116-147-RE4
Receipt Date:	09-APR-2015
Filing Date:	14-MAY-2013
Time Stamp:	15:51:58
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment		no			
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Post Allowance Communication - Incoming	1116_147_RE4_Response_to_Notice_To_File_Corrected_Application_Papers.pdf	42759 39142d93ddc2cc7a2a7f25eedac0b30807a5b2ae	no	8
Warnings:					
Information:					

2	Post Allowance Communication - Incoming	1116_147_RE4_Notice_to_File_Corrected_Application_Papers_mailed_2_12_15.pdf	113744 7f9c4be439017b32723b86427cefe0e4883ed1fc	no	3
Warnings:					
Information:					
3	Drawings-only black and white line drawings	1116_147_RE4_Amended_Drawings_Sheets.pdf	1515921 b894523f0f4472a2de17a5f7e70144e1ae7fa233	no	26
Warnings:					
Information:					
4	Drawings-other than black and white line drawings	1116_147_RE4_Amended_Drawings_Sheets_Version_With_Markings.pdf	2074377 1bc1d87f4e6e0c30e9814958718dcdbd51fba925	no	15
Warnings:					
Information:					
Total Files Size (in bytes):			3746801		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

<i>Issue Classification CPC</i>	Application_ID
	13894009
Document Date: 4/28/2015	
Document Code: IIFW	

APPLICATION_ID	SUBCLASS	MAINGROUP	SLASH	SUBGROUP	TYPE	VERSION
13894009	G06Q	30 /	0256	F	20130101	



UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/894,009	06/02/2015	RE45543	1116-147-RE4	4762

119000 7590 05/13/2015
Concert Technology Corporation
5400 Trinity Road, Suite 303
SUITE 160
Raleigh, NC 27607

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Extension or Adjustment under 35 U.S.C. 154 (b)

A reissue patent is for "the unexpired part of the term of the original patent." See 35 U.S.C. 251. Accordingly, the above-identified reissue application is not eligible for Patent Term Extension or Adjustment under 35 U.S.C. 154(b).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Darren P. Briggs, Nashville, TN;
Tena Technology, LLC, Wilmington, DE, Assignee (with 37 CFR 1.172 Interest);
Brady O. Bruce, San Francisco, CA;
Michael W. Mitchell, Santa Cruz, CA;
Emile L. Reed IV, Denver, CO;

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PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Patent Number	RE45543
	Issue Date	6/2/2015
	First Named Inventor	Darren P. Briggs
	Title	Method and apparatus for selectively sharing and passively tracking communication device experiences
	Attorney Docket No.	F021-RE004

I hereby revoke all previous powers of attorney given in the above-identified patent.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint Practitioner(s) associated with the Customer Number identified in the box at right as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

93958

OR

☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified patent to:

☒ The address associated with the above-identified Customer Number.

OR

☐ The address associated with the Customer Number identified in the box at right:

OR

☐ Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant.

OR

☒ Patent owner.

Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) submitted herewith or filed on _____.

SIGNATURE of Applicant or Patent Owner

Signature	/Hugh B. Svendsen/	Date	1/29/2019
Name	Hugh B. Svendsen	Telephone	919-360-7915
Title and Company	Managing Partner Ikorongo Technology, LLC		

NOTE: Signatures of all the applicants or patent owners of the entire interest or their representative(s) are required. If more than one signature is required, submit multiple forms, check the box below, and identify the total number of forms submitted in the blank below.

☐ A total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Patent Owner

Application No./Patent No.: RE45543 Filed/Issue Date: 6/2/2015

Titled: Method and apparatus for selectively sharing and passively tracking communication device experiences

Ikorongo Technology, LLC, a Limited Liability Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

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3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

☒ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Hugh B. Svendsen/

1/29/2019

Signature

Date

Hugh B. Svendsen

Manager Partner

Printed or Typed Name

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

REGARDING POWER OF ATTORNEY

To avoid confusion, the Applicant would like to point out that the request for Power of Attorney form was signed by Hugh B. Svendsen. As background, Hugh B. Svendsen serves in two different capacities in the present case.

- **Practitioner:** Hugh B. Svendsen is a registered practitioner (registration number 67,925), filed this case, and will be prosecuting the aforementioned case for the foreseeable future
- **Owner:** Hugh B. Svendsen is the Managing Partner of Ikorongo Technology, LLC. Ikorongo Technology, LLC is the assignee of the entire right and interest of the aforementioned case

The request for Power of Attorney was signed by Hugh B. Svendsen in his capacity as the Managing Partner of the assignee of the entire right and interest and the Applicant asserts that the POA request is proper and should be granted.

Respectfully submitted,

By: /Hugh B. Svendsen/

Hugh B. Svendsen
Registration No. 67,925
678 Bear Tree Creek
Chapel Hill, NC 27157
Telephone: (919) 360-7915

Date: 1/31/2019
Docket No: F021

CHAIN OF TITLE

F021

FROM	TO
INVENTORS	FATBUBBLE INC.
Reel 012093 Frame 0266	
FATBUBBLE INC.	INVENTORS
Reel 021064 Frame 0711	
INVENTORS	TENA TECHNOLOGY, LLC
Reel 021158 Frame 0194	
TENA TECHNOLOGY, LLC	IKORONGO TECHNOLOGY, LLC
Reel 046728 Frame 0857	



Assignment abstract of title for Application 09841475

Invention title/Inventor	Patent 7080139	Publication	Application 09841475	PCT	International registration
METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES Darren P. Briggs, Brady O. Bruce, Michael W. Mitchell, Emile L. Reed IV	Jul 18, 2006		Apr 24, 2001		

Assignments (6 total)

Assignment 6

Reel/frame	Execution date	Date recorded	Properties	Pages
046726/0749	Aug 27, 2018	Aug 28, 2018	5	4

Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors

CONCERT DEBT, LLC

Correspondent

HUGH B. SVENDSEN
678 BEAR TREE CREEK
CHAPEL HILL, NC 27517

Assignee

IKORONGO TECHNOLOGY, LLC
678 BEAR TREE CREEK
CHAPEL HILL, NORTH CAROLINA 27517

Assignment 5

Reel/frame	Execution date	Date recorded	Properties	Pages
046728/0647	Aug 27, 2018	Aug 28, 2018	5	6

Conveyance

RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors

CONCERT DEBT, LLC

Correspondent

HUGH B. SVENDSEN
678 BEAR TREE CREEK
CHAPEL HILL, NC 27517

Assignee
IKORONGO TECHNOLOGY, LLC
678 BEAR TREE CREEK
CHAPEL HILL, NORTH CAROLINA 27517

Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
046728/0857	Aug 2, 2018	Aug 28, 2018	5	4

Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
TENA TECHNOLOGY, LLC

Correspondent
HUGH B. SVENDSEN
678 BEAR TREE CREEK
CHAPEL HILL, NC 27517

Assignee
IKORONGO TECHNOLOGY, LLC
678 BEAR TREE CREEK
CHAPEL HILL, NORTH CAROLINA 27517

Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
021158/0194	Jun 10, 2008	Jun 27, 2008	1	5

Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
BRIGGS, DARREN P.
BRUCE, BRADY O.
MITCHELL, MICHAEL W.
REED, EMILE L.

Correspondent
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100 REGENCY FOREST DRIVE
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CARY, NC 27518

Assignee
TENA TECHNOLOGY, LLC
1000 N. WEST STREET
SUITE 1200
WILMINGTON, DELAWARE 19801

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
021064/0711	Jun 9, 2008	Jun 10, 2008	1	3

Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
FATBUBBLE, INC.

Correspondent
ERNEST J. BEFFEL, JR.
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HALF MOON BAY, CA 94019

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MITCHELL, MICHAEL W.
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SAN FRANCISCO, CALIFORNIA 94107

REED, EMILE L., IV
660 GUERRERO STREET
SAN FRANCISCO, CALIFORNIA 94110

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
012093/0266	Jul 26, 2001	Aug 22, 2001	1	6

Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors

BRIGGS, DARREN P.
BRUCE, BRADY O.
MITCHELL, MICHAEL W.
REED IV, EMILE L.

Correspondent

HAYNES BEFFEL & WOLFELD LLP
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Assignee

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SAN FRANCISCO, CALIFORNIA 94110

Electronic Acknowledgement Receipt	
EFS ID:	35035892
Application Number:	13894009
International Application Number:	
Confirmation Number:	4762
Title of Invention:	METHOD AND APPARATUS FOR SELECTIVELY SHARING AND PASSIVELY TRACKING COMMUNICATION DEVICE EXPERIENCES
First Named Inventor/Applicant Name:	Darren P. Briggs
Customer Number:	119000
Filer:	Hugh Blake Svendsen
Filer Authorized By:	
Attorney Docket Number:	CT-LBS-003-REC3/US
Receipt Date:	01-FEB-2019
Filing Date:	14-MAY-2013
Time Stamp:	15:11:47
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment		no			
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	aia0081a.pdf	155077	no	2
			589b58f051218608ee4516f2f86ce397a1db20c8		
Warnings:					

Information:					
2	Assignee showing of ownership per 37 CFR 3.73	sb0096.pdf	422183	no	2
			96ca0b10f7e3bc2f6fdc7f9a0cc162c2f6d2e5e6		
Warnings:					
Information:					
3	Transmittal Letter	binder.pdf	100016	no	5
			cf3a72f715df77ce54710e9196e2a4193bcd0693		
Warnings:					
Information:					
Total Files Size (in bytes):			677276		
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/894,009	05/14/2013	Darren P. Briggs	F021-RE004

CONFIRMATION NO. 4762

POA ACCEPTANCE LETTER



OC000000105718306

Date Mailed: 02/11/2019

93958
Ikorongo Technology, LLC
678 Bear Tree Creek
Chapel Hill, NC 27517

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 02/01/2019.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/qnguyen/



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13/894,009	05/14/2013	Darren P. Briggs	F021-RE004

CONFIRMATION NO. 4762

POWER OF ATTORNEY NOTICE



OC000000105718282

119000
Concert Technology Corporation
20 Depot Street
Suite 2A
Peterborough, NH 03458

Date Mailed: 02/11/2019

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 02/01/2019.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/qnguyen/