

TO: Mail Stop 8 Director of the U.S. Patent & Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been
filed in the U.S. District Court Northern District of California on the following ☒ Patents or ☐ Trademarks:

DOCKET NO. CV 15-00691 DMR	DATE FILED 2/13/15	U.S. DISTRICT COURT NDCA, 1301 Clay St., Suite 400S, Oakland, CA 94612
PLAINTIFF E.DIGITAL CORPORATION		DEFENDANT SHENZHEN GOSPELL SMARTHOME ELECTRONIC CO., LTD. ET AL
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,306,514		*See attached
2 8,311,522		
3 8,311,523		
4 8,311,524		
5 8,315,619		

In the above—entitled case, the following patent(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading		
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
1			
2			
3			
4			
5			

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK Richard W. Wieking	(BY) DEPUTY CLERK Valerie Kyono	DATE February 17, 2015
---------------------------------	--	-------------------------------

Copy 1—Upon initiation of action, mail this copy to Commissioner Copy 3—Upon termination of action, mail this copy to Commissioner
Copy 2—Upon filing document adding patent(s), mail this copy to Commissioner Copy 4—Case file copy

To:	Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Southern District of California on the following: X Patents or ___ Trademarks:

DOCKET NO.	DATE FILED	US District Court Southern District of California
3:14-cv-01579-MMA-DHB	7/1/14	San Diego, CA
PLAINTIFF		DEFENDANT
e.Digital Corporation		Dropcam, Inc.
PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.
1. 8,306,514	6. 8,315,619	11.
2. 8,311,522	7.	12.
3. 8,311,523	8.	13.
4. 8,311,524	9.	14.
5. 8,315,618	10.	15.

In the above-entitled case, the following patents(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY	
	___ Amendment ___ Answer ___ Cross Bill ___ Other Pleading	
PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.
1.	6.	11.
2.	7.	12.
3.	8.	13.
4.	9.	14.
5.	10.	15.

In the above-entitled case, the following decision has been rendered or judgment issued:

DECISION/JUDGMENT	Case Transferred to Northern District of CA	
CLERK	(BY) DEPUTY CLERK	DATE
John Morrill	A. Garcia	02/04/2015

To:	Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
-----	---	---

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Southern District of California on the following: X Patents or Trademarks:

DOCKET NO.	DATE FILED	US District Court Southern District of California
3:14-cv-01579-MMA-DHB	7/1/14	San Diego, CA
PLAINTIFF		DEFENDANT
e.Digital Corporation		Dropcam, Inc.
PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.
1. 8,306,514	6. 8,315,619	11.
2. 8,311,522	7.	12.
3. 8,311,523	8.	13.
4. 8,311,524	9.	14.
5. 8,315,618	10.	15.

In the above-entitled case, the following patents(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY	
	<u>Amendment</u> <u>Answer</u> <u>Cross Bill</u> <u>Other Pleading</u>	
PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.	PATENT OR TRADEMARK NO.
1.	6.	11.
2.	7.	12.
3.	8.	13.
4.	9.	14.
5.	10.	15.

In the above-entitled case, the following decision has been rendered or judgment issued:

DECISION/JUDGMENT		
CLERK	(BY) DEPUTY CLERK	DATE
John Morrill		



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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.
13/047,290	11/13/2012	8311523	0152.1002C4	6553

49455 7590 10/24/2012
STEIN MCEWEN, LLP
1400 EYE STREET, NW
SUITE 300
WASHINGTON, DC 20005

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

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):

Patrick Nunally, San Diego, CA;

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 USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

OK TO ENTER: /C.H./

10/03/2012

Docket No.: 0152.1002C4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Patrick O'Neal Nunally

Application No. 13/047,290

Group Art Unit: 2617

Confirmation No. 6553

Filed: March 14, 2011

Examiner: Chuck HUYNH

For: SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS

AMENDMENT UNDER 37 CFR 1.312

Mail Stop Issue Fee

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Further to the Notice of Allowance mailed September 18, 2012, the following amendments and remarks are respectfully submitted.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/047,290	03/14/2011	Patrick Nunally	0152.1002C4	6553
49455	7590	10/12/2012		
STEIN MCEWEN, LLP 1400 EYE STREET, NW SUITE 300 WASHINGTON, DC 20005			EXAMINER HUYNH, CHUCK	
			ART UNIT 2644	PAPER NUMBER
			NOTIFICATION DATE 10/12/2012	DELIVERY MODE ELECTRONIC

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 the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketing@smiplaw.com

Response to Rule 312 Communication	Application No. 13/047,290	Applicant(s) NUNALLY, PATRICK
	Examiner CHUCK HUYNH	Art Unit 2644
<p align="center">-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --</p> <p>1. <input checked="" type="checkbox"/> The amendment filed on <u>01 October 2012</u> under 37 CFR 1.312 has been considered, and has been:</p> <p>a) <input type="checkbox"/> entered.</p> <p>b) <input checked="" type="checkbox"/> entered as directed to matters of form not affecting the scope of the invention.</p> <p>c) <input type="checkbox"/> disapproved because the amendment was filed after the payment of the issue fee. Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.</p> <p>d) <input type="checkbox"/> disapproved. See explanation below.</p> <p>e) <input type="checkbox"/> entered in part. See explanation below.</p>		
/Patrick N. Edouard/ Supervisory Patent Examiner, Art Unit 2644	/Chuck Huynh/ Examiner, Art Unit 2644	

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
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Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

49455 7590 09/18/2012
STEIN MCEWEN, LLP
1400 EYE STREET, NW
SUITE 300
WASHINGTON, DC 20005

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.
13/047,290	03/14/2011	Patrick Nunally	0152.1002C4	6553

TITLE OF INVENTION: SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$870	\$0	\$0	\$870	12/18/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
HUYNH, CHUCK	2617	455-414100

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 Stein McEwen, LLP

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

e.Digital Corporation

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

San Diego, California, USA

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 credit any overpayment, to Deposit Account Number 503333 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Typed or printed name

James G. McEwen

Date

Oct. 4, 2012

Registration No.

41,983

This collection of information 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.

Electronic Acknowledgement Receipt	
EFS ID:	13906846
Application Number:	13047290
International Application Number:	
Confirmation Number:	6553
Title of Invention:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS
First Named Inventor/Applicant Name:	Patrick Nunally
Customer Number:	49455
Filer:	James Garrett McEwen/Sabrina Maya
Filer Authorized By:	James Garrett McEwen
Attorney Docket Number:	0152.1002C4
Receipt Date:	04-OCT-2012
Filing Date:	14-MAR-2011
Time Stamp:	14:15:11
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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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)	Issue_fee_transmittal_100412.pdf	190456 eaf83994ec535823671d80535d0270ddda92d0f5	no	1

Warnings:

Information:

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)

49455 7590 09/18/2012
STEIN MCEWEN, LLP
1400 EYE STREET, NW
SUITE 300
WASHINGTON, DC 20005

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.
13/047,290	03/14/2011	Patrick Nunally	0152.1002C4	6553

TITLE OF INVENTION: SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$870	\$0	\$0	\$870	12/18/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
HUYNH, CHUCK	2617	455-414100

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 Stein McEwen, LLP

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

e.Digital Corporation

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

San Diego, California, USA

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 credit any overpayment, to Deposit Account Number 503333 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Typed or printed name

James G. McEwen

Date

Registration No. 41,983

This collection of information 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.

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Electronic Patent Application Fee Transmittal				
Application Number:		13047290		
Filing Date:		14-Mar-2011		
Title of Invention:		SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS		
First Named Inventor/Applicant Name:		Patrick Nunally		
Filer:		James Garrett McEwen/Sabrina Maya		
Attorney Docket Number:		0152.1002C4		
Filed as Small 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	2501	1	870	870
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				870

Electronic Acknowledgement Receipt

EFS ID:	13907095
Application Number:	13047290
International Application Number:	
Confirmation Number:	6553
Title of Invention:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS
First Named Inventor/Applicant Name:	Patrick Nunally
Customer Number:	49455
Filer:	James Garrett McEwen/Sabrina Maya
Filer Authorized By:	James Garrett McEwen
Attorney Docket Number:	0152.1002C4
Receipt Date:	04-OCT-2012
Filing Date:	14-MAR-2011
Time Stamp:	14:22:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 870
RAM confirmation Number	1308
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1	Issue Fee Payment (PTO-85B)	Issue_fee_transmittal_100412.pdf	190456 eaf83994ec535823671d80535d0270ddda92d0f5	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30430 ba12e3b851b794f5f71003ea2ff550611c3f6283	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			220886		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					



FFW

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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/047,290	03/14/2011	Patrick Nunally	0152.1002C4	6553

TITLE OF INVENTION: SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$870	\$0	\$0	\$870	12/18/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
HUYNH, CHUCK	2617	455-414100

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 Stein McEwen, LLP
2
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

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(A) NAME OF ASSIGNEE

e.Digital Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

San Diego, California, USA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

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☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 503333 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature

Typed or printed name James G. McEwen

Date

Registration No. 41,983

This collection of information 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.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Patrick O'Neal Nunally

Application No. 13/047,290

Group Art Unit: 2617

Confirmation No. 6553

Filed: March 14, 2011

Examiner: Chuck HUYNH

For: SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS

AMENDMENT UNDER 37 CFR 1.312

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Further to the Notice of Allowance mailed September 18, 2012, the following amendments and remarks are respectfully submitted.

IN THE CLAIMS:

Please **AMEND** claims 1, 3, 7, 13, and 20 in accordance with the following:

1. (Currently Amended) A server in communication with a communication device via a network and which automatically provides differing levels of information according to a predetermined social hierarchy, the server comprising:

a memory which stores social templates, each social template corresponding to a unique social signature comprising a first sensor value range and a second sensor value range other than the first sensor value range and each social template being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy;

a processor which receives from the communication device sensor data received from a sensor set of the communication device which detects sensor data including a first detected sensor value comprising optical information detected by an optical sensor of the sensor set which detects an amount of light of an environment of the communication device and a second detected sensor value comprising acoustic information detected by ~~from~~ an acoustic sensor of the sensor set which detects a sound level of the environment of the communication device, creates a detected social signature from the received sensor data, determines which of the social signatures of the social templates has a greatest correspondence with the created social signature through comparison of the first and second detected sensor values and the first and second sensor value ranges of each stored social template, retrieves from the memory the determined one social template having the greatest correspondence and having the detected amount of light within the first sensor value range and the detected sound level within the second sensor value range, and provides to at least one member of the predetermined social hierarchy only as much information as allowed based on the retrieved social template; and

a transceiver which receives the sensor data from the sensor set in the communication device, and provides under the control of the processor to at least one of the ~~member~~ members of the predetermined social hierarchy only as much information as allowed based on the retrieved social template.

2. (Original) The server of claim 1, wherein:

the sensor data comprises a location of the communication device, and movement of the communication device, and

the processor compares the location with map data to determine a map location of the communication device, and creates the detected social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and the environment of the communication device.

3. (Currently Amended) The server of claim 1, wherein:

the levels of the social hierarchy of the retrieved social template include:

a first social hierarchy level which provides one level of information as selected in the retrieved social template,

a second social hierarchy level which provides another level of information as selected in the retrieved social template, and

a third social hierarchy level which provides a further level of information as selected in the retrieved social template; and

the processor detects to which of the first social hierarchy level, the second social hierarchy level, and the third social hierarchy level each member belongs, and provides only as much information as allowed by the detected social hierarchy level.

4. (CANCELLED)

5. (Previously Presented) The server of claim 1, wherein the processor further detects an error between the detected social signature and the social signature of the determined one social template having the greatest correspondence, updates the social signature of the determined one social template to include the detected error in the first and/or second sensor value ranges such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate, and creates a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

6. (Previously Presented) The server of claim 1, wherein the processor automatically determines if an incoming communication from a communication requestor being received through the transceiver is interruptive by, prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed based on the retrieved social template.

7. (Currently Amended) The server of claim 1, wherein, for at least one of the social templates, each level of the social hierarchy corresponds to a corresponding different social networking service, and the processor automatically provides different updates to each of the social networking services as allowed based on the one retrieved-social template.

8. (Previously Presented) The server of claim 7, wherein:
one of the social networking services is for professional networking for a first level of the social hierarchy,
one of the social networking services is for non-professional networking for a second level of the social hierarchy,
one of the social networking services is a microblogging service for a third level of the social hierarchy,
the professional networking, non-professional networking, and microblogging services are different services, and
the professional networking, non-professional networking, and microblogging services receive corresponding different updates.

9. (Original) The server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a social networking service, and the processor automatically provides an update to the social networking service.

10. (Original) The server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a microblogging service, and the processor automatically provides an update to the microblogging service.

11. (Original) The server of claim 1, wherein, at least one of the social templates corresponds to an emergency, and when the processor detects an emergency situation from the detected social signature, the processor automatically provides information related to the emergency to predetermined emergency services, friends and/or family members according to the detected emergency situation.

12. (Original) The server of claim 1, wherein the processor processes the received sensor data to obtain biometric data of a user of the communication device, creates

the detected social signature from the received sensor data and the obtained biometric data, identifies the user according to the obtained biometric data, and retrieves from the memory the determined one social template having the greatest correspondence to the detected social signature for the identified user.

13. (Currently Amended) The server of claim 12, wherein the sensor set further comprises an input device of which the user uses to input data, and the processor identifies the user according to a ~~writing~~-pattern of the user while inputting the data.

14. (Previously Presented) The server of claim 12, wherein the processor identifies the user according to an optical pattern unique to the user and which is detected using the optical sensor.

15. (Previously Presented) The server of claim 12, wherein the processor identifies the user according to a speech pattern unique to the user and which is detected using the acoustic sensor.

16. (Previously Presented) The server of claim 1, wherein the sensor set further comprises an input device which the user uses to input data, and the processor detects a status of the communication device according to use or non-use of the input device.

17. (Original) The server of claim 16, wherein the input device comprises a touch screen display including a capacitive sensor, and the processor detects a status of the communication device according to changes in a capacitance detected by the capacitive sensor.

18. (Previously Presented) The server of claim 1, wherein the sensor set further comprises an Ultra Wideband sensor which provides ranging data regarding the environment of the communication device, and the processor includes in the social signature a size of the location in which the communication device is found using the provided ranging data.

19. (Original) The server of claim 1, wherein the sensor data comprises usage data relating to a use of the communication device.

20. (Currently Amended) A method of automatically providing differing levels of

information according to a predetermined social hierarchy within a server, the method comprising:

constructing a social signature within the server using sensor data sensed by a sensor set in a communication device external to the server, the sensor data including a first detected sensor value comprising optical information from an optical sensor of the sensor set which detects an amount of light of an environment of the communication device and a second detected sensor value comprising acoustic information from an acoustic sensor of the sensor set which detects a sound level of the environment of the communication device;

determining within the server which one of a plurality of social templates has a social signature with a greatest correspondence with the constructed social signature through comparison of the first and second detected sensor values and first and second sensor value ranges of each social template, each social template corresponding to a unique social signature comprising corresponding first and second sensor value ranges and each social template being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy; and

retrieving from a memory of the server the determined one social template having the greatest correspondence and having the detected amount of light within the first sensor value range and the detected sound level within the second sensor value range, wherein only as much information as allowed based on the retrieved social template is provided to at least one member of the predetermined social hierarchy.

21. (Original) The method of claim 20, wherein:

the sensor data comprises a location of the communication device, and movement of the communication device, and

the constructing the social signature comprises comparing the location with map data to determine a map location of the communication device, and creating the social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and an environment of the communication device.

22. (Previously Presented) The method of claim 20, further comprising:

detecting an error between the constructed social signature and the social signature of the determined one social template having the greatest correspondence;

updating the social signature of the determined one social template to include the detected error in the first and/or second sensor value ranges such that the social signature of

the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate; and
creating a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

23. (Previously Presented) The method of claim 20, further comprising:
detecting an incoming communication from a communication requestor; and
prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed based on the retrieved social template.

24. (Previously Presented) The method of claim 20, wherein the information to be provided comprises an update to a social networking service as allowed based on the retrieved social template.

25. (Previously Presented) The method of claim 24, wherein the information to be provided further comprises a different update to another social networking service as allowed based on the retrieved social template, the another social networking service being other than the social networking service.

26. (Previously Presented) The method of claim 20, wherein the information to be provided comprises an update to a microblogging service as allowed based on the retrieved social template.

27. (Original) The method of claim 20, further comprising detecting an emergency from the constructed social signature, wherein the information to be provided comprises information related to the emergency which is to be selectively provided to predetermined emergency services, friends and/or family members according to the detected emergency situation using one of the social templates.

28. (Original) The method of claim 20, further comprising:
obtaining biometric data using the sensor data; and
identifying a user of the communication device according to the obtained biometric data, wherein the determining comprises determining the one social template having the greatest

correspondence for the identified user.

29. (Original) The method of claim 20, wherein the sensor data comprises usage data relating to a use of the communication device.

30 (Previously Presented) A non-transitory computer readable medium encoded with processing instructions to implement the method of claim 29 executed by one or more processors.

REMARKS

In accordance with the foregoing, claims 1, 3, 7, 13, and 20 have been amended, and claims 1-3 and 5-30 are pending and under consideration. No new matter is presented in this Amendment.

It is respectfully submitted that the amendments to the claims do not involve a reopening of prosecution or a change of scope of the claims requiring additional search or consideration by the Examiner. As such, it is respectfully submitted that the amendments are appropriate for approval and entry in an amendment under 37 CFR 1.312. MPEP 714.16.

CONCLUSION:

In accordance with the foregoing, it is respectfully submitted that all outstanding objections and rejections have been overcome and/or rendered moot. And further, it is respectfully submitted that all pending claims patentably distinguish over the prior art. Thus, there being no further outstanding objections or rejections, the application is submitted as being in condition for allowance which action is earnestly solicited.

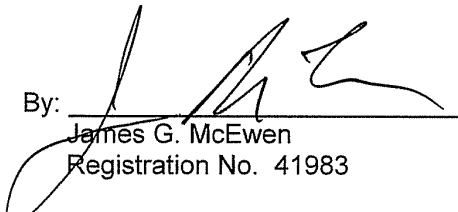
If the Examiner has any remaining issues to be addressed, it is believed that prosecution can be expedited by the Examiner contacting the undersigned attorney for a telephone interview to discuss resolution of such issues.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 503333.

Respectfully submitted,

STEIN MCEWEN, LLP

Date: Oct. 1, 2012

By: 
James G. McEwen
Registration No. 41983

1400 Eye St., N.W.
Suite 300
Washington, D.C. 20005
Telephone: (202) 216-9505
Facsimile: (202) 216-9510

Electronic Acknowledgement Receipt

EFS ID:	13881567
Application Number:	13047290
International Application Number:	
Confirmation Number:	6553
Title of Invention:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS
First Named Inventor/Applicant Name:	Patrick Nunally
Customer Number:	49455
Filer:	James Garrett McEwen/Sarah Brogi
Filer Authorized By:	James Garrett McEwen
Attorney Docket Number:	0152.1002C4
Receipt Date:	01-OCT-2012
Filing Date:	14-MAR-2011
Time Stamp:	15:53:40
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Amendment_37_CFR_100112.pdf	894640 77fb96df5ae02e05c6b3b3bd5246ea525fdffc335	yes	9

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Amendment after Notice of Allowance (Rule 312)	1	1
	Claims	2	8
	Applicant Arguments/Remarks Made in an Amendment	9	9
Warnings:			
Information:			
Total Files Size (in bytes):		894640	
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>			



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/047,290	03/14/2011	Patrick Nunally	0152.1002C4	6553
49455	7590	09/25/2012		
STEIN MCEWEN, LLP 1400 EYE STREET, NW SUITE 300 WASHINGTON, DC 20005			EXAMINER HUYNH, CHUCK	
			ART UNIT	PAPER NUMBER
			2617	
			NOTIFICATION DATE	DELIVERY MODE
			09/25/2012	ELECTRONIC

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<i>Examiner-Initiated Interview Summary</i>	Application No.		Applicant(s)	
	13/047,290		NUNALLY, PATRICK	
	Examiner		Art Unit	
	CHUCK HUYNH		2617	

All participants (applicant, applicant's representative, PTO personnel):

(1) CHUCK HUYNH. (3) _____.

(2) James G McEwen. (4) _____.

Date of Interview: 23 August 2012.

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: 1 and 20.

Identification of prior art discussed: Stremel and Alameh.

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...)

Examiner suggested the adding of a detection by specific sensors of optical light and acoustic sound measurement levels and ranges and the comparison done to the received sensor measurements to determine the greatest corresponding social template to which the limited amount of information is to be disclosed within the social hierarchy. Also to file the appropriate terminal disclaimers.

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

/Chuck Huynh/ Examiner, Art Unit 2617	
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49455 7590 09/18/2012
STEIN MCEWEN, LLP
1400 EYE STREET, NW
SUITE 300
WASHINGTON, DC 20005

EXAMINER

HUYNH, CHUCK

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 09/18/2012

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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$870	\$0	\$0	\$870	12/18/2012

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.

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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.

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PART B - FEE(S) TRANSMITTAL

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49455 7590 09/18/2012
STEIN MCEWEN, LLP
1400 EYE STREET, NW
SUITE 300
WASHINGTON, DC 20005

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.

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(Signature)
(Date)

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(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 _____
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(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

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☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____
Typed or printed name _____ Registration No. _____

This collection of information 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.

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/047,290	03/14/2011	Patrick Nunally	0152.1002C4	6553
49455	7590	09/18/2012	EXAMINER	
STEIN MCEWEN, LLP			HUYNH, CHUCK	
1400 EYE STREET, NW			ART UNIT	
SUITE 300			PAPER NUMBER	
WASHINGTON, DC 20005			2617	

DATE MAILED: 09/18/2012

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

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.

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.	Applicant(s)	
	13/047,290	NUNALLY, PATRICK	
	Examiner	Art Unit	
	CHUCK HUYNH	2617	

-- 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 5/11/2012.
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 1-3 and 5-30.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - 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. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
 - (b) ☐ 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).
7. ☐ 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)

<ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date ____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material 	<ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date ____. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other ____.
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/Wayne Cai/ Primary Examiner, Art Unit 2617	
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Terminal Disclaimer

1. The terminal disclaimer filed on 8/23/2012 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of any patent granted on Application Numbers:

- 13/047,163
- 12/891,875
- 13/047,206
- 13/047,306
- 13/047,420

has been reviewed and is accepted. The terminal disclaimer has been recorded.

Information Disclosure Statement

The IDS Applicant filed on 3/16/2011 has be reconsidered with the reference AK listed in IDS lacking an official date; therefore has been crossed out and is not considered.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James G. McEwen on 8/24/2012.

The application has been amended as follows:

1. (Currently Amended) A server in communication with a communication device via a network and which automatically provides differing levels of information according to a predetermined social hierarchy, the server comprising:

a memory which stores social templates, each social template corresponding to a unique social signature comprising a first sensor value range and a second sensor value range other than the first sensor value range and each social template being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy;

a processor which receives from the communication device sensor data received from a sensor set of the communication device which detects sensor data including a first detected sensor value comprising optical information detected by an optical sensor of the sensor set which detects an amount of light of an environment of the communication device and a second detected sensor value comprising acoustic information from an acoustic sensor of the sensor set which detects a sound level of the environment of the communication device, creates a detected social signature from the received sensor data, determines which of the social signatures of the social templates

has a greatest correspondence with the created social signature through comparison of the first and second detected sensor values and the first and second sensor value ranges of each stored social template, retrieves from the memory the determined one social template having the greatest correspondence and having the detected amount of light within the first sensor value range and the sound level within the second sensor value range, and provides to at least one member of the predetermined social hierarchy only as much information as allowed ~~under the social hierarchy as defined in the retrieved social template~~ based on the retrieved social template; and

a transceiver which receives the sensor data from the sensor set in the communication device, and provides under the control of the processor to at least one of the member of the predetermined social hierarchy only as much information as allowed ~~under the social hierarchy as defined in the retrieved social template~~ based on the retrieved social template.

2. (Original) The server of claim 1, wherein:

the sensor data comprises a location of the communication device, and movement of the communication device, and

the processor compares the location with map data to determine a map location of the communication device, and creates the detected social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and the environment of the communication device.

3. (Currently Amended) The server of claim 1, wherein:
the levels of the social hierarchy of the retrieved social template include:
a first social hierarchy level which provides one level of information as
selected in the retrieved social template,
a second social hierarchy level which provides another level information
as selected in the retrieved social template, and
a third social hierarchy level which provides a further information as
selected in the retrieved social template; and
the processor detects to which of the first social hierarchy level, the second
social hierarchy level, and the third social hierarchy level each member belongs, and
provides only as much information as allowed by the detected social hierarchy level.

4. (CANCELLED)

5. (Previously Presented) The server of claim 1, wherein the processor
further detects an error between the detected social signature and the social signature
of the determined one social template having the greatest correspondence, updates the
social signature of the determined one social template to include the detected error in
the first and/or second sensor value ranges such that the social signature of the
determined one social template incorporates the detected social signature where it is
determined that the determined one social template is accurate, and creates a new

social template using the detected social signature where it is determined that the determined one social template is not accurate.

6. (Currently Amended) The server of claim 1, wherein the processor automatically determines if an incoming communication from a communication requestor being received through the transceiver is interruptive by, prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed ~~under the social hierarchy as defined in the retrieved social template~~ based on the retrieved social template.

7. (Currently Amended) The server of claim 1, wherein, for at least one of the social templates, each level of the social hierarchy corresponds to a corresponding different social networking service, and the processor automatically provides different updates to each of the social networking services as allowed ~~under the social hierarchy as defined in the retrieved social template~~ based on the retrieved social template.

8. (Previously Presented) The server of claim 7, wherein:
one of the social networking services is for professional networking for a first level of the social hierarchy,
one of the social networking services is for non-professional networking for a

second level of the social hierarchy,

one of the social networking services is a microblogging service for a third level of the social hierarchy,

the professional networking, non-professional networking, and microblogging services are different services, and

the professional networking, non-professional networking, and microblogging services receive corresponding different updates.

9. (Original) The server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a social networking service, and the processor automatically provides an update to the social networking service.

10. (Original) The server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a microblogging service, and the processor automatically provides an update to the microblogging service.

11. (Original) The server of claim 1, wherein, at least one of the social templates corresponds to an emergency, and when the processor detects an emergency situation from the detected social signature, the processor automatically provides information related to the emergency to predetermined emergency services, friends and/or family members according to the detected emergency situation.

12. (Original) The server of claim 1, wherein the processor processes the received sensor data to obtain biometric data of a user of the communication device, creates the detected social signature from the received sensor data and the obtained biometric data, identifies the user according to the obtained biometric data, and retrieves from the memory the determined one social template having the greatest correspondence to the detected social signature for the identified user.

13. (Currently Amended) The server of claim 12, wherein the sensor set further comprises an input device of which the user uses to input data, and the processor identifies the user according to a writing pattern of the user while inputting the data.

14. (Currently Amended) The server of claim 12, wherein the processor identifies the user according to an optical pattern unique to the user and which is detected using the optical sensor.

15. (Currently Amended) The server of claim 12, wherein the processor identifies the user according to a speech pattern unique to the user and which is detected using the acoustic sensor.

16. (Currently Amended) The server of claim 1, wherein the sensor set further comprises an input device which the user uses to input data, and the processor

detects a status of the communication device according to use or non-use of the input device.

17. (Original) The server of claim 16, wherein the input device comprises a touch screen display including a capacitive sensor, and the processor detects a status of the communication device according to changes in a capacitance detected by the capacitive sensor.

18. (Currently Amended) The server of claim 1, wherein the sensor set further comprises an Ultra Wideband sensor which provides ranging data regarding the environment of the communication device, and the processor includes in the social signature a size of the location in which the communication device is found using the provided ranging data.

19. (Original) The server of claim 1, wherein the sensor data comprises usage data relating to a use of the communication device.

20. (Currently Amended) A method of automatically providing differing levels of information according to a predetermined social hierarchy within a server, the method comprising:

constructing a social signature within the server using sensor data sensed by a sensor set in a communication device external to the server, the sensor data including a

first detected sensor value comprising optical information from an optical sensor of the sensor set which detects an amount of light of an environment of the communication device and a second detected sensor value comprising acoustic information from an acoustic sensor of the sensor set which detects a sound level of the environment of the communication device;

determining within the server which one of a plurality of social templates has a social signature with a greatest correspondence with the constructed social signature through comparison of the first and second detected sensor values and first and second sensor value ranges of each social template, each social template corresponding to a unique social signature comprising corresponding first and second sensor value ranges and each social template being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy; and

retrieving from a memory of the server the determined one social template having the greatest correspondence and having the detected amount of light within the first sensor value range and the sound level within the second sensor value range, wherein only as much information as allowed ~~under the social hierarchy as defined in the retrieved social template~~ based on the retrieved social template will be is provided to at least one member of the predetermined social hierarchy.

21. (Original) The method of claim 20, wherein:

the sensor data comprises a location of the communication device, and

movement of the communication device, and

the constructing the social signature comprises comparing the location with map data to determine a map location of the communication device, and creating the social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and an environment of the communication device.

22. (Previously Presented) The method of claim 20, further comprising:
detecting an error between the constructed social signature and the social signature of the determined one social template having the greatest correspondence;
updating the social signature of the determined one social template to include the detected error in the first and/or second sensor value ranges such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate;
and
creating a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

23. (Currently Amended) The method of claim 20, further comprising:
detecting an incoming communication from a communication requestor; and
prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor

only as much information as allowed ~~under the social hierarchy as defined in the~~
~~retrieved social template~~ based on the retrieved social template.

24. (Currently Amended) The method of claim 20, wherein the information to be provided comprises an update to a social networking service as allowed ~~under the social hierarchy as defined in the retrieved social template~~ based on the retrieved social template.

25. (Currently Amended) The method of claim 24, wherein the information to be provided further comprises a different update to another social networking service as allowed ~~under the social hierarchy as defined in the retrieved social template~~ based on the retrieved social template, the another social networking service being other than the social networking service.

26. (Currently Amended) The method of claim 20, wherein the information to be provided comprises an update to a microblogging service as allowed ~~under the social hierarchy as defined in the retrieved social template~~ based on the retrieved social template.

27. (Original) The method of claim 20, further comprising detecting an emergency from the constructed social signature, wherein the information to be provided comprises information related to the emergency which is to be selectively

provided to predetermined emergency services, friends and/or family members according to the detected emergency situation using one of the social templates.

28. (Original) The method of claim 20, further comprising:
obtaining biometric data using the sensor data; and
identifying a user of the communication device according to the obtained biometric data, wherein the determining comprises determining the one social template having the greatest correspondence for the identified user.

29. (Original) The method of claim 20, wherein the sensor data comprises usage data relating to a use of the communication device.

30. (Previously Presented) A non-transitory computer readable medium encoded with processing instructions to implement the method of claim 29 executed by one or more processors.

3. The following is an examiner's statement of reasons for allowance:

Independent claims 1 and 20 are allowed over the closest prior arts of Stremel and Alameh because the prior arts do not anticipate nor render obvious all the limitations of the claims, especially the features of detecting a first sensor value from an optical sensor and detecting a second value from an acoustic sensor and both said

values fall within the a value range which then is used to determine the social hierarchy to provide as much information as allowed based on said determined social template, in combination with the rest of the limitations within the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHUCK HUYNH whose telephone number is (571)272-7866. The examiner can normally be reached on M-Th 9-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on 571-272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Chuck Huynh/
Examiner, Art Unit 2617

/Wayne Cai/
Primary Examiner, Art Unit 2617

Sheet 1 of 1

ATTACHMENT 1(a)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>	ATTORNEY DOCKET NO.	APPLICATION NO.
	0152.1002C4	13/047,290
	FIRST NAMED INVENTOR	
	Patrick NUNALLY	
	FILING DATE	GROUP ART UNIT
	March 14, 2011	Not yet assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	US 7,593,740	09/2009	Crowley et al.			
	AB	US 7,809,805	10/2010	Stremel et al.			
	AC	US 2010/0056872	03/2010	Kahn et al.			
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
	AG						
	AH						
	AI						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

			TRANSLATION YES NO	
	AJ	Facebook Help Center page on Places. http://www.facebook.com/help/?page=1080 . Retrieved on September 28, 2010.		
	AK	Ketabdar, Hamed, "Using Mobile Phones for Monitoring Physical Conditions", Quality and Usability Lab, Deutsche Telekom Laboratories, Berlin, 3 pages		

EXAMINER	/Chuck Huynh/	DATE CONSIDERED	08/27/2012
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.H./

ATTACHMENT 1(F)

LIST OF COPENDING APPLICATIONS	ATTORNEY DOCKET NO.	APPLICATION NO.
	0152.1002C4	13/047,290
	FIRST NAMED INVENTOR	
	Patrick NUNALLY	
	FILING DATE	GROUP ART UNIT
	March 14, 2011	Not yet assigned

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.


This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

U.S. PATENT APPLICATION DOCUMENTS

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
	1	12/891,875	09/28/2010	Patrick Nunally	e.Digital Corporation
	2	13/047,163	03/14/2011	Patrick Nunally	e.Digital Corporation
	3	13/047,206	03/14/2011	Patrick Nunally	e.Digital Corporation
	4	13/047,420	03/14/2011	Patrick Nunally	e.Digital Corporation
	5	13/047,306	03/14/2011	Patrick Nunally	e.Digital Corporation
	6				
	7				
	8				

EXAMINER /Chuck Huynh/	DATE CONSIDERED 08/27/2012
<p>*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.H./


Search Notes 	Application/Control No. 13047290	Applicant(s)/Patent Under Reexamination NUNALLY, PATRICK
	Examiner CHUCK HUYNH	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	414.1	8/23/2012	/CH/
455	418	8/23/2012	/CH/
455	414.2	8/23/2012	/CH/
455	424	8/23/2012	/CH/

SEARCH NOTES		
Search Notes	Date	Examiner
Class/Subclass	8/23/2012	/CH/
Combined Text Search	8/23/2012	/CH/
Assignee/Inventor Search	8/23/2012	/CH/
Terminal Disclaimer for all related cases checked	8/23/2012	/CH/
PG Pub	8/23/2012	/CH/

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
709	219	8/23/2012	/CH/

/CHUCK HUYNH/ Examiner.Art Unit 2617	
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<i>Index of Claims</i> 	Application/Control No. 13047290	Applicant(s)/Patent Under Reexamination NUNALLY, PATRICK
	Examiner CHUCK HUYNH	Art Unit 2617

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant				<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
CLAIM		DATE							
Final	Original	02/13/2012	08/24/2012						
1	1	✓	=						
2	2	✓	=						
3	3	✓	=						
	4	✓	-						
4	5	✓	=						
5	6	✓	=						
6	7	✓	=						
7	8	✓	=						
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9	10	✓	=						
10	11	✓	=						
11	12	✓	=						
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25	26	✓	=						
26	27	✓	=						
27	28	✓	=						
28	29	✓	=						
29	30	✓	=						

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S55	11	social and network and acoustic and optical and sensor and range and (template relation relationship) and (compare comparison correspon\$4) and allow and social near (level hierarchy) and error	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/08/23 21:00
S54	0	S50 and S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 19:59
S53	0	S51 and S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 19:58
S52	17	crash same sensor same emergency same contact	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 19:58
S51	5962	(455/414.1).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 19:58
S50	10304	(709/219).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 19:56
S49	15	S48 and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 17:29
S48	1079	social and network and acoustic and	US-PGPUB;	OR	OFF	2012/08/23

		optical and sensor and range and (template relation relationship) and status	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			17:29
S47	10304	(709/219).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 17:29
S46	0	S43 and S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 17:29
S45	1070	(455/425).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 17:28
S44	3	S43 and S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 17:28
S43	1222	social and network and acoustic and optical and sensor and range and (template relation relationship)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 17:28
S42	1236	(455/414.2).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 17:27
S41	21	social and network and acoustic and optical and sensor and range and (template relation relationship) and (compare comparison correspon\$4) and allow and social near (level hierarchy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/08/23 17:18
S40	17	crash same sensor same emergency same contact	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2012/08/23 17:03

			IBM_TDB			
S39	3736	(455/418).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/23 17:02
S38	14	S34 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 16:29
S37	10231	(709/219).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 16:28
S36	388	social and network and acoustic and optical and sensor and range and relationship and status and information and allowed and environment and light and sound and level	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 16:18
S34	1046	social and network and acoustic and optical and sensor and range and (template relation relationship) and status	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 16:16
S33	24	optical and acoustic and sensor same social same status	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 16:14
S32	0	optical same acoustic same sensor same social same status	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 16:13
S31	0	S17 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 16:12
S30	1059	(455/425).OCLS.	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2012/08/08 16:12

			EPO; JPO; DERWENT; IBM_TDB			
S29	2	S17 and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 16:09
S28	1227	(455/414.2).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 16:08
S27	34	social with status same sensor and optical and acoustic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/08/08 16:06
S25	129	social with status same sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/08/08 15:04
S24	1210	social and network and acoustic and optical and sensor and range and (template relation relationship) and (compare comparison correspon\$4) and status	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/08/08 15:03
S23	20	social and network and acoustic and optical and sensor and range and (template relation relationship) and (compare comparison correspon\$4) and allow and social near (level hierarchy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/08/08 15:02
S22	1432	social and network and acoustic and optical and sensor and range and (template relation relationship) and (compare comparison correspon\$4) and allow	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/08/08 15:01
S21	6	nunally-patrick.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 15:00
S20	0	"the first detected sensor value of the sensor data comprises optical information	US-PGPUB; USPAT;	OR	OFF	2012/08/08 14:59

		from an optical sensor of the sensor set which detects an amount of light of the environment of the communication device, and the second detected sensor value of the sensor data comprises acoustic information from an acoustic sensor of the sensor set which detects a sound level of the environment of the communication device, and the processor retrieves from the memory the determined one social template having the detected amount of light within the first sensor value range, and the sound level within the second sensor value range".clm.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S19	18	S17 and social near level	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 14:57
S18	2	S17 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 14:54
S17	1185	social and network and acoustic and optical and sensor and range and (template relation relationship)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 14:54
S16	3685	(455/418).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/08/08 14:19
S15	0	S12 and co-worker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/12/10 17:52
S14	0	S12 and worker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/12/10 17:52
S13	2	S12 and (passcode password)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2011/12/10 17:44

			DERWENT; IBM_TDB			
S12	7	(US-20110273378-\$ or US-20100056872-\$ or US-20080291024-\$).did. or (US-7809805-\$ or US-7593740-\$ or US-7620212-\$).did. or (US-20110273378-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2011/12/10 17:43
S11	13	biometric same sensor same emergency same contact	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/12/10 17:25
S10	13	crash same sensor same emergency same contact	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/12/10 17:24
S8	1	S4 and emergency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/12/10 17:16
S7	19	microblogging same group	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/12/10 17:09
S6	193	microblogging	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/12/10 17:09
S5	0	S4 and biometric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/12/10 17:09
S4	6	(US-20110273378-\$ or US-20100056872-\$ or US-20080291024-\$).did. or (US-7809805-\$ or US-7593740-\$).did. or (US-20110273378-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2011/12/10 17:09
S3	12	((("7,809,805") or ("20100056872") or ("7,593,740") or ("20110273378") or ("20080291024")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/12/10 17:09

EAST Search History


S2	10	((("7,809,805") or ("20100056872") or ("7,593,740") or ("20110273378")).PN. or (2008/0291024).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/12/10 17:08
S1	3246	(455/418).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/12/10 17:07

EAST Search History (Interference)

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8/ 24/ 2012 7:33:53 PM

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Issue Classification 	Application/Control No. 13047290	Applicant(s)/Patent Under Reexamination NUNALLY, PATRICK
	Examiner CHUCK HUYNH	Art Unit 2617

ORIGINAL						INTERNATIONAL CLASSIFICATION												
CLASS		SUBCLASS				CLAIMED					NON-CLAIMED							
455		414.1				H	O	4	M	3 / 42 (2006.01.01)								
CROSS REFERENCE(S)																		
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																	
455	414.2	425	418															
709	219																	

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input checked="" type="checkbox"/> T.D. <input type="checkbox"/> R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	16	17												
2	2	17	18												
3	3	18	19												
	4	19	20												
4	5	20	21												
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13	14	29	30												
14	15														
15	16														

/CHUCK HUYNH/ Examiner.Art Unit 2617 (Assistant Examiner)	8/23/2012 (Date)	Total Claims Allowed: 29	
/WAYNE CAI/ Primary Examiner.Art Unit 2617 (Primary Examiner)	08/27/2012 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Patrick Nunally

Application No. 13/047,290

Group Art Unit: 2617

Confirmation No. 6553

Filed: March 14, 2011

Examiner: Chuck Huynh

For: SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS

STATEMENT OF THE INTERVIEW

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Further to the discussions with the Examiner of August 13, 2012, August 15, 2012 and August 23, 2012, the Examiner agreed that the incorporation of claim 4 into the independent claims would place the application in condition for allowance. While the applicant does not necessarily agree that such further amendment is needed, in order to expedite prosecution, applicant has agreed to allow the Examiner to make the amendment using an Examiner Amendment. A copy of the amendment to the claims is attached.

If there are any additional fees associated with filing of this Statement or entry of the Examiner Amendment, please charge the same to our Deposit Account No. 503333.

Respectfully submitted,

STEIN MCEWEN, LLP

Date: SEPT. 17, 2012

By: 

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IN THE CLAIMS:

Please **AMEND** claims 1, 6, 7, 13-16, 18, 20, and 24-26, and **CANCEL** claim 4 without prejudice or disclaimer in accordance with the following:

1. (Currently Amended) A server in communication with a communication device via a network and which automatically provides differing levels of information according to a predetermined social hierarchy, the server comprising:

a memory which stores social templates, each social template corresponding to a unique social signature comprising a first sensor value range and a second sensor value range other than the first sensor value range and each social template being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy;

a processor which receives from the communication device sensor data received from a sensor set of the communication device which detects sensor data including a first detected sensor value comprising optical information detected by an optical sensor of the sensor set which detects an amount of light of an environment of the communication device ~~from a first sensor and a second detected sensor value comprising acoustic information from an acoustic sensor of the sensor set which detects a sound level of the environment of the communication device~~ ~~from a second sensor related to an environment of the communication device~~, creates a detected social signature from the received sensor data, determines which of the social signatures of the social templates has a greatest correspondence with the created social signature through comparison of the first and second detected sensor values and the first and second sensor value ranges of each stored social template, retrieves from the memory the determined one social template having the greatest correspondence and having the detected amount of light within the first sensor value range and the sound level within the second sensor value range, and provides to at least one member of the predetermined social hierarchy only as much information as allowed ~~under the social hierarchy as defined in~~ based on the retrieved social template; and

a transceiver which receives the sensor data from the sensor set in the communication device, and provides under the control of the processor to at least one of the member of the predetermined social hierarchy only as much information as allowed ~~under the social hierarchy as defined in~~ based on the retrieved social template.

2. (Original) The server of claim 1, wherein:
the sensor data comprises a location of the communication device, and movement of the communication device, and
the processor compares the location with map data to determine a map location of the communication device, and creates the detected social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and the environment of the communication device.

3. (Currently Amended) The server of claim 1, wherein:
the levels of the social hierarchy of the retrieved social template include:
a first social hierarchy level which provides one level of information as selected in the retrieved social template,
a second social hierarchy level which provides another level information as selected in the retrieved social template, and
a third social hierarchy level which provides a further information as selected in the retrieved social template; and
the processor ~~determines a level value of each member by comparing the member with members assigned to having~~detects to which of the first social hierarchy level, the second social hierarchy level, and the third social hierarchy level each member belongs, and provides only as much information as allowed by the ~~determined~~detected social hierarchy level.

4. (CANCELLED)

5. (Previously Presented) The server of claim 1, wherein the processor further detects an error between the detected social signature and the social signature of the determined one social template having the greatest correspondence, updates the social signature of the determined one social template to include the detected error in the first and/or second sensor value ranges such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate, and creates a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

6. (Currently Amended) The server of claim 1, wherein the processor automatically determines if an incoming communication from a communication requestor being received

through the transceiver is interruptive by, prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed based on ~~under the social hierarchy as defined in the~~ retrieved social template.

7. (Currently Amended) The server of claim 1, wherein, for at least one of the social templates, each level of the social hierarchy corresponds to a corresponding different social networking service, and the processor automatically provides different updates to each of the social networking services as allowed based on ~~under the social hierarchy as defined in the~~ one social template.

8. (Previously Presented) The server of claim 7, wherein:
one of the social networking services is for professional networking for a first level of the social hierarchy,
one of the social networking services is for non-professional networking for a second level of the social hierarchy,
one of the social networking services is a microblogging service for a third level of the social hierarchy,
the professional networking, non-professional networking, and microblogging services are different services, and
the professional networking, non-professional networking, and microblogging services receive corresponding different updates.

9. (Original) The server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a social networking service, and the processor automatically provides an update to the social networking service.

10. (Original) The server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a microblogging service, and the processor automatically provides an update to the microblogging service.

11. (Original) The server of claim 1, wherein, at least one of the social templates corresponds to an emergency, and when the processor detects an emergency situation from the detected social signature, the processor automatically provides information related to the

emergency to predetermined emergency services, friends and/or family members according to the detected emergency situation.

12. (Original) The server of claim 1, wherein the processor processes the received sensor data to obtain biometric data of a user of the communication device, creates the detected social signature from the received sensor data and the obtained biometric data, identifies the user according to the obtained biometric data, and retrieves from the memory the determined one social template having the greatest correspondence to the detected social signature for the identified user.

13. (Currently Amended) The server of claim 12, wherein the sensor set further comprises an input device of which the user uses to input data, and the processor identifies the user according to a writing pattern of the user while inputting the data.

14. (Currently Amended) The server of claim 12, wherein ~~the sensor set comprises an optical sensor, and the processor identifies the user according to an optical pattern unique to the user and which is detected using the optical sensor.~~

15. (Currently Amended) The server of claim 12, wherein ~~the sensor set comprises an audio sensor, and the processor identifies the user according to a speech pattern unique to the user and which is detected using the audio-acoustic sensor.~~

16. (Currently Amended) The server of claim 1, wherein the sensor set further comprises an input device which the user uses to input data, and the processor detects a status of the communication device according to use or non-use of the input device.

17. (Original) The server of claim 16, wherein the input device comprises a touch screen display including a capacitive sensor, and the processor detects a status of the communication device according to changes in a capacitance detected by the capacitive sensor.

18. (Currently Amended) The server of claim 1, wherein the sensor set further comprises an Ultra Wideband sensor which provides ranging data regarding the environment of the communication device, and the processor includes in the social signature a size of the location in which the communication device is found using the provided ranging data.

19. (Original) The server of claim 1, wherein the sensor data comprises usage data relating to a use of the communication device.

20. (Currently Amended) A method of automatically providing differing levels of information according to a predetermined social hierarchy within a server, the method comprising:

constructing a social signature within the server using sensor data sensed by a sensor set in a communication device external to the server, the sensor data including a first detected sensor value comprising optical information from an optical sensor of the sensor set which detects an amount of light of an environment of the communication device ~~from a first sensor of the sensor set and a second detected sensor value comprising acoustic information from an acoustic sensor of the sensor set which detects a sound level of the environment of the communication device from a second sensor of the sensor set related to an environment of the communication device;~~

determining within the server which one of a plurality of social templates has a social signature with a greatest correspondence with the constructed social signature through comparison of the first and second detected sensor values and first and second sensor value ranges of each social template, each social template corresponding to a unique social signature comprising corresponding first and second sensor value ranges and each social template being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy; and

retrieving from a memory of the server the determined one social template having the greatest correspondence and having the detected amount of light within the first sensor value range and the sound level within the second sensor value range, wherein only as much information as allowed based on ~~under the social hierarchy as defined in the retrieved social~~ template is provided to at least one member of the predetermined social hierarchy.

21. (Original) The method of claim 20, wherein:

the sensor data comprises a location of the communication device, and movement of the communication device, and

the constructing the social signature comprises comparing the location with map data to determine a map location of the communication device, and creating the social signature to include information on the map location of the communication device, the movement being

experienced by the communication device, and an environment of the communication device.

22. (Previously Presented) The method of claim 20, further comprising:
detecting an error between the constructed social signature and the social signature of the determined one social template having the greatest correspondence;
updating the social signature of the determined one social template to include the detected error in the first and/or second sensor value ranges such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate; and
creating a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

23. (Currently Amended) The method of claim 20, further comprising:
detecting an incoming communication from a communication requestor; and
prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed based on ~~under the social hierarchy as defined in the retrieved social~~ template.

24. (Currently Amended) The method of claim 20, wherein the information to be provided comprises an update to a social networking service as allowed based on ~~under the social hierarchy as defined in the retrieved social~~ template.

25. (Currently Amended) The method of claim 24, wherein the information to be provided further comprises a different update to another social networking service as allowed based on ~~under the social hierarchy as defined in the retrieved social~~ template, the another social networking service being other than the social networking service.

26. (Currently Amended) The method of claim 20, wherein the information to be provided comprises an update to a microblogging service as allowed based on ~~under the social hierarchy as defined in the retrieved social~~ template.

27. (Original) The method of claim 20, further comprising detecting an emergency from the constructed social signature, wherein the information to be provided

comprises information related to the emergency which is to be selectively provided to predetermined emergency services, friends and/or family members according to the detected emergency situation using one of the social templates.

28. (Original) The method of claim 20, further comprising:
obtaining biometric data using the sensor data; and
identifying a user of the communication device according to the obtained biometric data,
wherein the determining comprises determining the one social template having the greatest
correspondence for the identified user.

29. (Original) The method of claim 20, wherein the sensor data comprises
usage data relating to a use of the communication device.

30 (Previously Presented) A non-transitory computer readable medium encoded
with processing instructions to implement the method of claim 29 executed by one or more
processors.

Electronic Acknowledgement Receipt	
EFS ID:	13765188
Application Number:	13047290
International Application Number:	
Confirmation Number:	6553
Title of Invention:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS
First Named Inventor/Applicant Name:	Patrick Nunally
Customer Number:	49455
Filer:	James Garrett McEwen
Filer Authorized By:	
Attorney Docket Number:	0152.1002C4
Receipt Date:	17-SEP-2012
Filing Date:	14-MAR-2011
Time Stamp:	15:41:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Applicant summary of interview with examiner	StatementInterview91712.pdf	883822 6b9a6978afc105ec0b51f077755b226c294507e	no	8

Warnings:

Information:

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.

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/25 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	TERMINAL DISCLAIMER TO OBVIATE A PROVISIONAL DOUBLE PATENTING REJECTION OVER A PENDING "REFERENCE" APPLICATION	
Application Number	13047290	
Filing Date	14-Mar-2011	
First Named Inventor	Patrick Nunally	
Attorney Docket Number	0152.1002C4	
Title of Invention	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS	
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12891875 filed on 09/28/2010 13047163 filed on 03/14/2011 13047206 filed on 03/14/2011 13047306 filed on 03/14/2011 13047420 filed on 03/14/2011		

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☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.

☐ I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

☒ Applicant(s) status remains as SMALL ENTITY.

☐ Applicant(s) status remains as other than SMALL ENTITY.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

☒ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Registration Number 41983

☐ A sole inventor

☐ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors

☐ A joint inventor; all of whom are signing this request

☐ The assignee of record of the entire interest that has properly made itself of record pursuant to 37 CFR 3.71

Signature	/James McEwen/
Name	James McEwen

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal				
Application Number:		13047290		
Filing Date:		14-Mar-2011		
Title of Invention:		SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS		
First Named Inventor/Applicant Name:		Patrick Nunally		
Filer:		James Garrett McEwen		
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Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Statutory or terminal disclaimer	2814	1	80	80
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
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Applicant/Patent under Reexamination: Nunally et al.

Electronic Terminal Disclaimer filed on August 23, 2012

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

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Electronic Acknowledgement Receipt

EFS ID:	13570102
Application Number:	13047290
International Application Number:	
Confirmation Number:	6553
Title of Invention:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS
First Named Inventor/Applicant Name:	Patrick Nunally
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Filer:	James Garrett McEwen
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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1	Electronic Terminal Disclaimer-Filed	eTerminal-Disclaimer.pdf	37683 81553ddb4b0bae2ec7700434c129f54a13e9f270	no	3
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30149 5992c762c46063dfa95e682ab9f13b9fc7b13553	no	2
Warnings:					
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Total Files Size (in bytes):			67832		
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Patrick Nunally

Application No. 13/047,290

Group Art Unit: 2617

Confirmation No. 6553

Filed: March 14, 2011

Examiner: Chuck Huynh

For: SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This is in response to the Office Action mailed February 29, 2012, and having a period for response set to expire on May 29, 2012.

Reconsideration of the claims is respectfully requested. The following remarks are respectfully submitted.

IN THE CLAIMS:

Please **AMEND** claims 1, 4, 5, 8, 20, 22, 25 and 30 in accordance with the following:

1. (Currently Amended) A server in communication with a communication device via a network and which automatically provides differing levels of information according to a predetermined social hierarchy, the server comprising:

a memory which stores social templates, each social template corresponding to a unique social signature comprising a first sensor value range and a second sensor value range other than the first sensor value range and each social template being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy;

a processor which receives from the communication device sensor data received from a sensor set of the communication device which detects sensor data including a first detected sensor value from a first sensor and a second detected sensor value from a second sensor related to an environment of the communication device, creates a detected social signature from the received sensor data, determines which of the social signatures of the social templates has a greatest correspondence with the created social signature through comparison of the first and second detected sensor values and the first and second sensor value ranges of each stored social template, retrieves from the memory the determined one social template having the greatest correspondence, and provides to at least one member of the predetermined social hierarchy only as much information as allowed under the social hierarchy as defined in the retrieved social template; and

a transceiver which receives the sensor data from the sensor set in the communication device, and provides under the control of the processor to at least one of the member of the predetermined social hierarchy only as much information as allowed under the social hierarchy as defined in the retrieved social template.

2. (Original) The server of claim 1, wherein:

the sensor data comprises a location of the communication device, and movement of the communication device, and

the processor compares the location with map data to determine a map location of the communication device, and creates the detected social signature to include information on the map location of the communication device, the movement being experienced by the

communication device, and the environment of the communication device.

3. (Original) The server of claim 1, wherein:
the levels of the social hierarchy of the retrieved social template include:
a first social hierarchy level which provides one level of information as selected in the retrieved social template,
a second social hierarchy level which provides another level information as selected in the retrieved social template, and
a third social hierarchy level which provides a further information as selected in the retrieved social template; and
the processor determines a level value of each member by comparing the member with members assigned to having the first social hierarchy level, the second social hierarchy level, and the third social hierarchy level, and provides only as much information as allowed by the determined social hierarchy level.

4. (Currently Amended) The server of claim 1, wherein:
the first detected sensor value of the sensor data comprises optical information from an optical sensor of the sensor set which detects an amount of light of the environment of the communication device, and
the second detected sensor value of the sensor data comprises acoustic information from an acoustic sensor of the sensor set which detects a sound level of the environment of the communication device, and
the processor retrieves from the memory the determined one social template having the detected amount of light within the first sensor value range, and the sound level within the second sensor value range.

5. (Currently Amended) The server of claim 1, wherein the processor further detects an error between the detected social signature and the social signature of the determined one social template having the greatest correspondence, updates the social signature of the determined one social template to include the detected error in the first and/or second sensor value ranges such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate, and creates a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

6. (Original) The server of claim 1, wherein the processor automatically determines if an incoming communication from a communication requestor being received through the transceiver is interruptive by, prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template.

7. (Original) The server of claim 1, wherein, for at least one of the social templates, each level of the social hierarchy corresponds to a corresponding different social networking service, and the processor automatically provides different updates to each of the social networking services as allowed under the social hierarchy as defined in the one social template.

8. (Currently Amended) The server of claim 7, wherein:
one of the social networking services is for professional networking for a first level of the social hierarchy,
one of the social networking services is for non-professional networking for a second level of the social hierarchy, and
one of the social networking services is a microblogging service for a third level of the social hierarchy.
the professional networking, non-professional networking, and microblogging services are different services, and
the professional networking, non-professional networking, and microblogging services receive corresponding different updates.

9. (Original) The server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a social networking service, and the processor automatically provides an update to the social networking service.

10. (Original) The server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a microblogging service, and the processor automatically provides an update to the microblogging service.

11. (Original) The server of claim 1, wherein, at least one of the social templates corresponds to an emergency, and when the processor detects an emergency situation from the detected social signature, the processor automatically provides information related to the emergency to predetermined emergency services, friends and/or family members according to the detected emergency situation.

12. (Original) The server of claim 1, wherein the processor processes the received sensor data to obtain biometric data of a user of the communication device, creates the detected social signature from the received sensor data and the obtained biometric data, identifies the user according to the obtained biometric data, and retrieves from the memory the determined one social template having the greatest correspondence to the detected social signature for the identified user.

13. (Original) The server of claim 12, wherein the sensor set comprises an input device of which the user uses to input data, and the processor identifies the user according to a writing pattern of the user while inputting the data.

14. (Original) The server of claim 12, wherein the sensor set comprises an optical sensor, and the processor identifies the user according to an optical pattern unique to the user and which is detected using the optical sensor.

15. (Original) The server of claim 12, wherein the sensor set comprises an audio sensor, and the processor identifies the user according to a speech pattern unique to the user and which is detected using the audio sensor.

16. (Original) The server of claim 1, wherein the sensor set comprises an input device which the user uses to input data, and the processor detects a status of the communication device according to use or non-use of the input device.

17. (Original) The server of claim 16, wherein the input device comprises a touch screen display including a capacitive sensor, and the processor detects a status of the communication device according to changes in a capacitance detected by the capacitive sensor.

18. (Original) The server of claim 1, wherein the sensor set comprises an Ultra

Wideband sensor which provides ranging data regarding the environment of the communication device, and the processor includes in the social signature a size of the location in which the communication device is found using the provided ranging data.

19. (Original) The server of claim 1, wherein the sensor data comprises usage data relating to a use of the communication device.

20. (Currently Amended) A method of automatically providing differing levels of information according to a predetermined social hierarchy within a server, the method comprising:

constructing a social signature within the server using sensor data sensed by a sensor set in a communication device external to the server, the sensor data including a first detected sensor value from a first sensor of the sensor set and a second detected sensor value from a second sensor of the sensor set related to an environment of the communication device;

determining within the server which one of a plurality of social templates has a social signature with a greatest correspondence with the constructed social signature through comparison of the first and second detected sensor values and first and second sensor value ranges of each social template, each social template corresponding to a unique social signature comprising corresponding first and second sensor value ranges and each social template being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy; and

retrieving from a memory of the server the determined one social template having the greatest correspondence, wherein only as much information as allowed under the social hierarchy as defined in the retrieved social template is provided to at least one member of the predetermined social hierarchy.

21. (Original) The method of claim 20, wherein:

the sensor data comprises a location of the communication device, and movement of the communication device, and

the constructing the social signature comprises comparing the location with map data to determine a map location of the communication device, and creating the social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and an environment of the communication device.

22. (Currently Amended) The method of claim 20, further comprising:
detecting an error between the constructed social signature and the social signature of the determined one social template having the greatest correspondence;
updating the social signature of the determined one social template to include the detected error in the first and/or second sensor value ranges such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate; and
creating a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

23. (Original) The method of claim 20, further comprising:
detecting an incoming communication from a communication requestor; and
prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template.

24. (Original) The method of claim 20, wherein the information to be provided comprises an update to a social networking service as allowed under the social hierarchy as defined in the retrieved social template.

25. (Currently Amended) The method of claim 24, wherein the information to be provided further comprises a different update to another social networking service as allowed under the social hierarchy as defined in the retrieved social template, the another social networking service being other than the social networking service.

26. (Original) The method of claim 20, wherein the information to be provided comprises an update to a microblogging service as allowed under the social hierarchy as defined in the retrieved social template.

27. (Original) The method of claim 20, further comprising detecting an emergency from the constructed social signature, wherein the information to be provided comprises information related to the emergency which is to be selectively provided to predetermined emergency services, friends and/or family members according to the detected emergency situation using one of the social templates.

28. (Original) The method of claim 20, further comprising:
obtaining biometric data using the sensor data; and
identifying a user of the communication device according to the obtained biometric data,
wherein the determining comprises determining the one social template having the greatest
correspondence for the identified user.
29. (Original) The method of claim 20, wherein the sensor data comprises usage
data relating to a use of the communication device.
- 30 (Currently Amended) A non-transitory computer readable medium encoded with
processing instructions to implement the method of claim 29 executed by one or more
processors.

REMARKS

In accordance with the foregoing, claims 1, 4, 5, 8, 20, 22, 25 and 30 have been amended, and claims 1-30 are pending and under consideration. No new matter is presented in this Amendment.

While it is believed that the claims otherwise distinguished from the prior art and were patentable, in order to expedite prosecution and to clarify the features of the claims, claims 1, 4, 5, 8, 20, 22, 25 and 30 have been amended consistent with the Examiner's suggestions in the interview conducted on April 3, 2012. As such, it is respectfully submitted that the claims distinguish over the prior art and are otherwise patentable, and requested that the Examiner reconsider and withdraw the outstanding rejections.

REJECTIONS UNDER 35 U.S.C. §101:

On pages 2-3 of the Office Action, the Examiner rejects claim 30 under 35 U.S.C. §101 as directed to non-statutory subject matter. The rejection is respectfully traversed and reconsideration is requested.

While applicants do not necessarily agree that such an amendment is required and without admission that the amendment is narrowing in view of the understanding of one skilled in the art, claim 30 has been revised consistent with the Examiner's suggestion consistent with *Subject Matter Eligibility of Computer Readable Media*, 3152 OG 212 (Feb. 23, 2010). As such, it is respectfully requested that the Examiner reconsider and withdraw the rejection.

REJECTIONS UNDER 35 U.S.C. §102:

On pages 3-9 of the Office Action, the Examiner rejects claims 1, 5, 6, 9, 10, 20, 22-24, 26 and 30 under 35 U.S.C. §102(e) in view of *Stremel et al.* (U.S. Patent No. 7,809,805). The rejection is respectfully traversed and reconsideration is requested.

By way of review, claim 1 recites, among other features, a server including "a memory which stores social templates, each social template corresponding to a unique social signature comprising a first sensor value range and a second sensor value range other than the first sensor value range and each social template being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy." Claim 1 further recites the server including "a processor which ... creates a detected social signature from the received sensor data, determines which of the social signatures of the social templates has a greatest correspondence with the created

social signature through comparison of the first and second detected sensor values and the first and second sensor value ranges of each stored social template, retrieves from the memory the determined one social template having the greatest correspondence, and provides to at least one member of the predetermined social hierarchy only as much information as allowed under the social hierarchy as defined in the retrieved social template.”

In contrast, Stremel et al. discloses a system which automatically locates social network members. (Col. 1, lines 7-10). The system includes a GPS-enabled device 145 for one member of the network which associates a status of the member with a GPS location, and sends this status to a server 105. (Col. 2, lines 60-67). The server 105 stores this information in a web-based social network database record 300 within a database 135. (Col. 3, lines 1-9; FIG. 3) If the server 105 receives the GPS information from the member, but the status is missing, the database 135 is checked and if the record 300 includes a status for the GPS information, the server 105 updates the status of the member’s GPS-enabled device 145. (Col. 3, lines 41-46). There is no suggestion that this status is not sent to the member device 145 due to privacy settings.

Further, after the server 105 receives the status and GPS information, the database 135 is queried to determine whether other contacts of the member are located nearby based upon the GPS information contained in their respective contact records 300. Any contact records 300 indicating contacts are nearby are returned to the member device 145, which allows the member to learn which contacts are close to the same location. (Col. 3, lines 50-62). However, in order to prevent their location being disclosed outside of a particular group, a privacy setting module 120 limits the queries to the database 135 to that particular group such that the member device 145 only receives GPS information for contacts which are allowing that particular member to receive this information. (Col. 4, lines 1-10, col. 6, lines 40-46). Moreover, a user settings module 125 is used to direct the server 105 to only provide specified updates to the device 145, such as having an update sent to the device 145 when another member has updated her GPS information and status in the database 135. (Col. 4, lines 11-25). As such, in order to limit the distribution of the status or otherwise regulate status updates, Stremel et al. relies upon settings stored in the privacy setting module 120 and the user settings module 125, and does not store such limitations in the records 300 stored in the database 135.

As such, it is respectfully submitted that the record 300 of Stremel et al. does not disclose or suggest the social templates as recited in claim 1.

For at least similar reasons, it is respectfully submitted that Stremel et al. does not

disclose or suggest “determining within the server which one of a plurality of social templates has a social signature with a greatest correspondence with the constructed social signature through comparison of the first and second detected sensor values and first and second sensor value ranges of each social template, each social template corresponding to a unique social signature comprising corresponding first and second sensor value ranges and each social template being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy” and “retrieving from a memory of the server the determined one social template having the greatest correspondence, wherein only as much information as allowed under the social hierarchy as defined in the retrieved social template is provided to at least one member of the predetermined social hierarchy” as recited in claim 20.

Further, Stremel et al. discloses that, if the server 105 receives the GPS information from the member, but the status is missing, the database 135 is checked and if the record 300 includes a status for the GPS information, the server 105 send the status with the GPS information to the member's GPS-enabled device 145 where the processing module 165 stores a copy of the GPS information and the status in a contact file 170 on the device 145. (Col. 3, lines 41-46). However, there is no suggestion that, other than providing a status found in the database 135, the server 105 otherwise updates or creates new contacts in the contact file 170 instead of the processing module 165.

Conversely, to the extent that new GPS information and statuses are added to the database 135, this combination is provided to the server 105 after the combination is detected by the processing module 165. (Col. 2, line 45 to col. 3, line 9). There is no suggestion that the server 105 has a processor which makes such an association and adds new or updated status information to a contact 300 except when such an update is provided by the processing module 165.

In contrast, claim 5 recites, among other features, the server including a processor which “updates the social signature of the determined one social template to include the detected error in the first and/or second sensor value ranges such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate, and creates a new social template using the detected social signature where it is determined that the determined one social template is not accurate.”

For at least similar reasons, it is respectfully submitted that Stremel et al. does not

disclose “updating the social signature of the determined one social template to include the detected error in the first and/or second sensor value ranges such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate; and creating a new social template using the detected social signature where it is determined that the determined one social template is not accurate” as recited in claim 22.

Also, even assuming *arguendo* that Stremel et al. discloses that the member device 145 is a communication device capable of receiving an incoming communication, there is no suggestion that the status of the device affects such communication. While the Examiner relies upon the privacy setting module 120 as limiting disclosure of a status to specific contacts, there is no disclosure that the module 120 affects communications to the member device 145 itself or is otherwise interruptive. Further, to the extent that the privacy module 120 affects communications to the member device 145, it is in relation to limiting queries of the records 300 by the member device 145 to prevent the member from receiving information denied by ones of the member’s contacts.

In contrast, claim 6 recites, among other features, that the “processor automatically determines if an incoming communication from a communication requestor being received through the transceiver is interruptive by, prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template.”

For at least similar reasons, it is respectfully submitted that Stremel et al. does not disclose “prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template” as recited in claim 23.

Claims 9, 10, 24, 26 and 30 are deemed patentable due at least to their depending from corresponding claims 1 and 20.

REJECTIONS UNDER 35 U.S.C. §103:

On pages 9-12 of the Office Action, the Examiner rejects claims 2 and 21 under 35 U.S.C. §103(a) in view of Stremel et al. and Kahn et al. (U.S. Publication No. 2010/00056872). The rejection is respectfully traversed and reconsideration is requested.

Even assuming *arguendo* that the Examiner's construction of Kahn et al. is correct and that the combination is otherwise appropriate, the Examiner does not rely on Kahn et al. to cure the above noted defects of Stremel et al. as applied to claims 1 and 20, from which claims 2 and 21 correspondingly depend. As such, it is respectfully submitted that the combination does not disclose or suggest the features of claims 2 and 21.

On pages 12-15 of the Office Action, the Examiner rejects claims 3, 7, 8 and 25 under 35 U.S.C. §103(a) in view of Stremel et al. and Crowley et al. (U.S. Patent No. 7,593,740). The rejection is respectfully traversed and reconsideration is requested.

Even assuming *arguendo* that the Examiner's construction of Crowley et al. is correct and that the combination is otherwise appropriate, the Examiner does not rely on Crowley et al. to cure the above noted defects of Stremel et al. as applied to claims 1 and 20, from which claims 3, 7, 8 and 25 correspondingly depend. As such, it is respectfully submitted that the combination does not disclose or suggest the features of claims 3, 7, 8 and 25.

In addition, to the extent that Crowley et al. discloses limiting communications of messages, there is no suggestion that such limitations are between social networking services as opposed to a single messaging service, such as the SMS service. (Col. 5, lines 65-67 and col. 6, lines 20-34 of Crowley et al.). In contrast, claim 7 recites, among other features, that "for at least one of the social templates, each level of the social hierarchy corresponds to a corresponding different social networking service, and the processor automatically provides different updates to each of the social networking services as allowed under the social hierarchy as defined in the one social template." Since Stremel et al. is also not relied upon as disclosing providing different levels of information according to different services, it is respectfully submitted that the combination does not disclose this feature of claim 7.

For at least similar reasons, it is respectfully submitted that the combination does not disclose or suggest, among other features, that "one of the social networking services is for professional networking for a first level of the social hierarchy, one of the social networking services is for non-professional networking for a second level of the social hierarchy, one of the social networking services is a microblogging service for a third level of the social hierarchy, the professional networking, non-professional networking, and microblogging services are different services, and the professional networking, non-professional networking, and microblogging services receive corresponding different updates" as recited in claim 8; or that "the information to be provided further comprises a different update to another social networking service as allowed under the social hierarchy as defined in the retrieved social template, the another social

networking service being other than the social networking service” as recited in claim 25.

On pages 15-18 of the Office Action, the Examiner rejects claims 4, 16, 17, 19 and 29 under 35 U.S.C. §103(a) in view of Stremel et al. and Alameh et al. (U.S. Publication No. 2011/0273378). The rejection is respectfully traversed and reconsideration is requested.

Even assuming arguendo that the Examiner’s construction of Alameh et al. is correct and that the combination is otherwise appropriate, the Examiner does not rely on Alameh et al. to cure the above noted defects of Stremel et al. as applied to claims 1 and 20, from which claims 4, 16, 17, 19 and 29 correspondingly depend. As such, it is respectfully submitted that the combination does not disclose or suggest the features of claims 4, 16, 17, 19 and 29.

On pages 18-22 of the Office Action, the Examiner rejects claims 11-13, 27 and 28 under 35 U.S.C. §103(a) in view of Stremel et al. (U.S. Patent No. 7,809,805) and Allen et al. (U.S. Patent No. 7,620,212). The rejection is respectfully traversed and reconsideration is requested.

Even assuming arguendo that the Examiner’s construction of Allen et al. is correct and that the combination is otherwise appropriate, the Examiner does not rely on Allen et al. to cure the above noted defects of Stremel et al. as applied to claims 1 and 20, from which claims 11-13, 27 and 28 correspondingly depend. As such, it is respectfully submitted that the combination does not disclose or suggest the features of claims 11-13, 27 and 28.

Moreover, to the extent that Allen et al. discloses the use of biometric sensors for security purposes, there is no suggestion that the biometric sensors are used except in the context of an alarm triggered by motion detected by a cellular phone or electronic device. In contrast, claim 28 recites, among other features, “identifying a user of the communication device according to the obtained biometric data”. As such, it is respectfully submitted that the combination does not disclose the features of claim 28.

For at least similar reasons, it is respectfully submitted that the combination does not disclose or suggest “identifies the user according to the obtained biometric data” as recited in claim 12.

On pages 22-24 of the Office Action, the Examiner rejects claims 14 and 15 under 35 U.S.C. §103(a) in view of Stremel et al., Allen et al., and Alameh et al. (U.S. Publication No. 2011/0273378). The rejection is respectfully traversed and reconsideration is requested.

Even assuming arguendo that the Examiner’s construction of Alameh et al. is correct and that the combination is otherwise proper, the Examiner does not rely upon Alameh et al. to cure

the above noted deficiency of Stremel et al. and Allen et al. as applied to claim 12, from which claims 14 and 15 depend. As such, it is respectfully submitted that the combination further does not disclose or suggest the features of claims 14 and 15.

Further, to the extent that Alameh et al. discloses a number of sensors in paragraph 0026, there is no suggestion that any of these sensors are used to identify a user. In contrast, claim 14 recites, among other features, that "and the processor identifies the user according to an optical pattern unique to the user and which is detected using the optical sensor", and claim 15 recites, among other features, that "the processor identifies the user according to a speech pattern unique to the user and which is detected using the audio sensor." Since Stremel et al. and Allen et al. are not relied upon as disclosing such a feature, it is respectfully submitted that the combination does not disclose or suggest the features of claims 14 and 15.

On page 24 of the Office Action, the Examiner rejects claim 18 under 35 U.S.C. §103(a) in view of Stremel et al. and Zhang et al. (U.S. Publication No. 2008/0291024). The rejection is respectfully traversed and reconsideration is requested.

Even assuming arguendo that the Examiner's construction of Zhang et al. is correct and that the combination is otherwise appropriate, the Examiner does not rely on Zhang et al. to cure the above noted defects of Stremel et al. as applied to claim 1, from which claim 18 depends. As such, it is respectfully submitted that the combination does not disclose or suggest the features of claim 18.

CONCLUSION:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

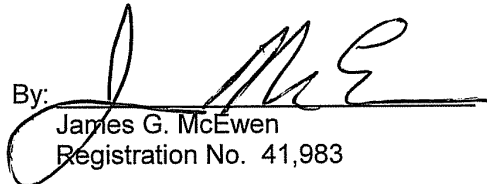
If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 503333.

Respectfully submitted,

STEIN MCEWEN, LLP

Date: MAY 11, 2012

By:


James G. McEwen
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Electronic Acknowledgement Receipt

EFS ID:	12755963
Application Number:	13047290
International Application Number:	
Confirmation Number:	6553
Title of Invention:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS
First Named Inventor/Applicant Name:	Patrick Nunally
Customer Number:	49455
Filer:	James Garrett McEwen
Filer Authorized By:	
Attorney Docket Number:	0152.1002C4
Receipt Date:	11-MAY-2012
Filing Date:	14-MAR-2011
Time Stamp:	11:34:29
Application Type:	Utility under 35 USC 111(a)

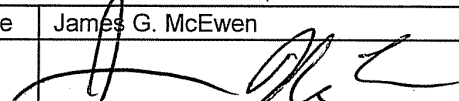
Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Amend_051112.pdf	2006972 03450648b542e00f452575dec80a47e135fe a3d7	yes	17

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Fee Worksheet (SB06)	1	1
	Amendment/Req. Reconsideration-After Non-Final Reject	2	2
	Claims	3	9
	Applicant Arguments/Remarks Made in an Amendment	10	17
Warnings:			
Information:			
Total Files Size (in bytes):		2006972	
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>			

REPLY/AMENDMENT FEE TRANSMITTAL		Attorney Docket No.		0152.1002C4			
		Application Number		13/047,290			
		Filing Date		March 14, 2011			
		First Named Inventor		Patrick NUNALLY			
		Group Art Unit		2617			
AMOUNT ENCLOSED		0.0\$ (add in total)		Examiner Name		Chuck Huynh	
FEE CALCULATION (fees effective 10/02/08)							
CLAIMS AS AMENDED	Claims Remaining After Amendment	Highest Number Previously Paid For		Number Extra	Rate	Calculations	
TOTAL CLAIMS	30	-	30 =	0	X \$60.00 =	\$ (add in total)	
INDEPENDENT CLAIMS	2	-	3 =	0	X \$250.00 =	\$ (add in total)	
Since an Official Action set an <u>original</u> due date of <u>May 29, 2012</u> , petition is hereby made for an extension to cover the date this reply is filed for which the requisite fee is enclosed (1 month (\$150)); (2 months (\$560)); (3 months (\$1,270)); (4 months (\$1,980)); (5 months (\$2,690):						\$ 0	
If Notice of Appeal is enclosed, add (\$620.00)						\$ 0	
If Statutory Disclaimer under Rule 20(d) is enclosed, add fee (\$140.00)						\$	
Information Disclosure Statement (Rule 1.17(p)) (\$180.00)						\$	
Total of above Calculations =						\$ 0	
Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27 & 1.28)						\$ 0.00	
Reduction by 75% for filing by micro entity (37 CFR 1.23(a)(1))						\$	
TOTAL FEES DUE =						\$ 0.00	
<small>(1) If entry (1) is less than entry (2), entry (3) is "0". (2) If entry (2) is less than 20, change entry (2) to "20". (4) If entry (4) is less than entry (5), entry (6) is "0". (5) If entry (5) is less than 3, change entry (5) to "3".</small>							
METHOD OF PAYMENT							
<input type="checkbox"/> Check enclosed as payment. <input type="checkbox"/> Credit Card Payment Form, Form PTO-2038(attached).							
<input type="checkbox"/> Charge "TOTAL FEES DUE" to the Deposit Account No. below.							
<input checked="" type="checkbox"/> No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).							
GENERAL AUTHORIZATION							
<input checked="" type="checkbox"/> If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:							
		Deposit Account No.		503333			
		Deposit Account Name		STEIN MCEWEN, LLP			
<input checked="" type="checkbox"/> The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC § 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.							
SUBMITTED BY: STEIN MCEWEN, LLP							
Typed Name		James G. McEwen			Reg. No.		41,983
Signature					Date		Mar 11, 2012

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 13/047,290		Filing Date 03/14/2011		<input type="checkbox"/> To be Mailed		
APPLICATION AS FILED – PART I											
(Column 1)			(Column 2)		SMALL ENTITY <input checked="" type="checkbox"/> OR		OTHER THAN SMALL ENTITY				
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	OR		RATE (\$)	FEE (\$)			
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A				N/A				
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A				N/A				
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A				N/A				
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X \$ =				X \$ =				
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$ =				X \$ =				
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))			If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 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).								
<input type="checkbox"/> 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				TOTAL				
APPLICATION AS AMENDED – PART II											
(Column 1)			(Column 2)		(Column 3)		SMALL ENTITY OR		OTHER THAN SMALL ENTITY		
AMENDMENT	05/11/2012	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDITIONAL FEE (\$)	OR		RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 30	Minus	** 30	= 0	X \$30 =	0			X \$ =	
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0	X \$125 =	0			X \$ =	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))										
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
					TOTAL ADD'L FEE		0		TOTAL ADD'L FEE		
AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDITIONAL FEE (\$)	OR		RATE (\$)	ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =				X \$ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =				X \$ =	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))										
	<input type="checkbox"/> 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 number found in the appropriate box in column 1.											

Legal Instrument Examiner:
/KIM DOWNING/

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.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/047,290	03/14/2011	Patrick Nunally	0152.1002C4	6553
49455	7590	02/29/2012		
STEIN MCEWEN, LLP 1400 EYE STREET, NW SUITE 300 WASHINGTON, DC 20005			EXAMINER HUYNH, CHUCK	
			ART UNIT 2617	PAPER NUMBER
			NOTIFICATION DATE 02/29/2012	DELIVERY MODE ELECTRONIC

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 the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketing@smiplaw.com

Office Action Summary	Application No. 13/047,290	Applicant(s) NUNALLY, PATRICK	
	Examiner CHUCK HUYNH	Art Unit 2617	

-- 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 14 March 2011.

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) 1-30 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) 1-30 is/are rejected.

8) ☐ Claim(s) ____ is/are objected to.

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

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).

12) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
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) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. ____
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date ____	6) <input type="checkbox"/> Other: ____

DETAILED ACTION

Information Disclosure Statement

The information disclosure statements received on 3/16/2011 has been considered by Examiner.

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 30 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Regarding claims 30, the specification does not clearly disclose the claiming “a computer readable medium” to be statutory subject matter.

Therefore, the broadest reasonable interpretation of a claim drawn to a computer readable medium (also called machine readable medium and other such variations) typically covers forms of non-transitory tangible media and transitory propagating signals per se in view of the ordinary and customary meaning of computer readable media, particularly when the specification is silent.

However, a claim drawn to such a computer readable medium that covers both transitory and non-transitory embodiments may be amended to narrow the claim to

cover only statutory embodiments to avoid a rejection under 35 USC 101 by adding the limitation "non-transitory" to the claim.

Claim Rejections - 35 USC § 102

1. 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.

2. **Claims 1, 5, 6, 9, 10, 20, 22-24, 26 and 30 are rejected under 35 U.S.C. 102(e) as being anticipated by Stremel et al. (US 7,809,805; hereinafter Stremel).**

Regarding claim 1, Stremel discloses a server in communication with a communication device via a network and which automatically provides differing levels of information according to a predetermined social hierarchy, the server comprising:

a memory which stores social templates, each social template (user profiles) corresponding to a unique social signature (status or information for that user) and being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy (Fig. 1; Col 4, lines 1-25: having the privacy setting to providing information to particular people such as friends);

a processor which receives from the communication device sensor data received from a sensor set of the communication device which detects sensor data related to an environment of the communication device (Col 3, lines 35-38: sends the GPS location to the server), creates a detected social signature from the received sensor data (Col 3, lines 38-45: creating a search for said GPS location data on the server database), determines which of the social signatures of the social templates has a greatest correspondence with the created social signature (Col 3, lines 38-45: query for a status that matches said location), retrieves from the memory the determined one social template having the greatest correspondence, and provides to at least one member of the predetermined social hierarchy only as much information as allowed under the social hierarchy as defined in the retrieved social template (Col 3, lines 43-45: being able to retrieve the status information based on the location information; and being able to update statuses of friends according to the newly updated location and statuses of said friends: Col 4, lines 11-25); and

a transceiver which receives the sensor data from the sensor set in the communication device, and provides under the control of the processor to at least one of the member of the predetermined social hierarchy only as much information as allowed under the social hierarchy as defined in the retrieved social template (Col 4, lines 1-10; Col 6, lines 40-55; having privacy settings for groups such as “friends” and allowing information accordingly, such as allowing the “friends” group to know the location and status of the subscriber and not to other groups).

Regarding claim 5, Stremel discloses the server of claim 1, wherein the processor further detects an error between the detected social signature and the social signature of the determined one social template having the greatest correspondence (Col 3, lines 38-45: detecting the location information with a corresponding status, that user had before and forgot to enter: Col 2, lines 45-Col 3, line 9), updates the social signature of the determined one social template to include the detected error such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate (Col 3, lines 38-45: updating the status information when determined that the location is the same location stored on the server), and creates a new social template using the detected social signature where it is determined that the determined one social template is not accurate (Col 3, lines 2-9: the server is able to store new locations and statuses to contact content).

Regarding claim 6, Stremel discloses the server of claim 1, wherein the processor automatically determines if an incoming communication from a communication requestor being received through the transceiver is interruptive by, prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template (Col 4, lines 1-10: depending on the privacy setting for various users,

only specific users are allowed the location information, such as the ones in the “friends” group).

Regarding claim 9, Stremel discloses the server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a social networking service, and the processor automatically provides an update to the social networking service (Col 4, lines 1-10: only allowing certain subscriber groups such as “friends” location information).

Regarding claim 10, Stremel discloses the server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a microblogging service, and the processor automatically provides an update to the microblogging service (Fig. 3: social network such as Facebook).

Regarding claim 20, Stremel discloses a method of automatically providing differing levels of information according to a predetermined social hierarchy within a server, the method comprising:

constructing a social signature within the server using sensor data sensed by a sensor set in a communication device external to the server (Col 2, lines 45-60: receiving GPS data and creating a current state status of the member);

determining within the server which one of a plurality of social templates (user profiles: Fig. 3) has a social signature with a greatest correspondence with the constructed social signature (user current state/statuses: Fig. 3: 310), each social template corresponding to a unique social signature and being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy (Fig. 1; Col 4, lines 1-25: having the privacy setting to providing information to particular people such as friends); and

retrieving from a memory of the server the determined one social template having the greatest correspondence, wherein only as much information as allowed under the social hierarchy as defined in the retrieved social template is provided to at least one member of the predetermined social hierarchy (Col 3, lines 46-62: retrieving nearby users depending on said location).

Regarding claim 22, Stremel discloses the method of claim 20, further comprising:

detecting an error between the constructed social signature and the social signature of the determined one social template having the greatest correspondence (Col 3, lines 38-45: detecting the location information with a corresponding status, that user had before and forgot to enter: Col 2, lines 45-Col 3, line 9);

updating the social signature of the determined one social template to include the detected error such that the social signature of the determined one social template

incorporates the detected social signature where it is determined that the determined one social template is accurate (Col 3, lines 38-45: updating the status information when determined that the location is the same location stored on the server); and

creating a new social template using the detected social signature where it is determined that the determined one social template is not accurate (Col 3, lines 2-9: the server is able to store new locations and statuses to contact content).

Regarding claim 23, Stremel discloses the method of claim 20, further comprising: detecting an incoming communication from a communication requestor; and prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template (Col 4, lines 1-10: privacy setting for various users).

Regarding claim 24, Stremel discloses the method of claim 20, wherein the information to be provided comprises an update to a social networking service as allowed under the social hierarchy as defined in the retrieved social template (Col 4, lines 1-10: only allowing certain subscriber groups such as "friends" location information).

Regarding claim 26, Stremel discloses the method of claim 20, the information to be provided comprises an update to a microblogging service as allowed under the

social hierarchy as defined in the retrieved social template (Fig. 3: social network such as Facebook).

Regarding claim 30, Stremel discloses a computer readable medium encoded with processing instructions to implement the method of claim 29 executed by one or more processors (Fig. 1: inherent operating codes to perform the operational tasks.

Claim Rejections - 35 USC § 103

1. The following is a quotation 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 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.

2. Claims 2, 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stremel in view of Kahn et al. (US 20100056872; hereinafter Kahn).

Regarding claim 2, Stremel discloses all the particulars of the claim except for the server of claim 1, wherein:

the sensor data comprises a location of the communication device, and movement of the communication device, and

the processor compares the location with map data to determine a map location of the communication device, and creates the detected social signature to include

information on the map location of the communication device, the movement being experienced by the communication device, and the environment of the communication device.

However, Kahn does disclose

the sensor data comprises a location of the communication device, and movement of the communication device ([0036]-[0037]: attaining map location and speed of travel based on the sensor data), and

the processor compares the location with map data to determine a map location of the communication device, and creates the detected social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and the environment of the communication device ([0036]-[0037]: attaining map location and speed of travel based on the sensor data and creating an analysis of user activity).

Stremel and Kahn are analogous art for they are both mobile telecommunication apparatuses implementing sensor data from the mobile device to accommodate the user. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Kahn's disclosure to provide more accurate sensing of user's movement.

Regarding claim 21, Stremel discloses all the particulars of the claim except for method of claim 20, wherein:

the sensor data comprises a location of the communication device, and movement of the communication device, and

the constructing the social signature comprises comparing the location with map data to determine a map location of the communication device, and creating the social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and an environment of the communication device.

However, Kahn does disclose

the sensor data comprises a location of the communication device, and movement of the communication device ([0036]-[0037]: attaining map location and speed of travel based on the sensor data), and

the constructing the social signature comprises comparing the location with map data to determine a map location of the communication device, and creating the social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and an environment of the communication device ([0036]-[0037]: attaining map location and speed of travel based on the sensor data and creating an analysis of user activity).

Stremel and Kahn are analogous art for they are both mobile telecommunication apparatuses implementing sensor data from the mobile device to accommodate the user. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Kahn's disclosure to provide more accurate sensing of user's movement.

3. Claims 3, 7, 8, and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stremel in view of Crowley et al. (US 7,593,740; hereinafter Crowley).

Regarding claim 3, Stremel discloses the server of claim 1, wherein:
the levels of the social hierarchy of the retrieved social template include:
a first social hierarchy level which provides one level of information as selected in the retrieved social template (Col 4, lines 1-10: privacy setting for “friends” group),

Stremel discloses all the particulars of the claim except for
a second social hierarchy level which provides another level information as selected in the retrieved social template, and
a third social hierarchy level which provides a further information as selected in the retrieved social template; and
the processor determines a level value of each member by comparing the member with members assigned to having the first social hierarchy level, the second social hierarchy level, and the third social hierarchy level, and provides only as much information as allowed by the determined social hierarchy level.

However, Crowley does disclose
a second social hierarchy level which provides another level information as selected in the retrieved social template (Col 6, lines 43-54: having groups and sub groups), and

a third social hierarchy level which provides a further information as selected in the retrieved social template (Col 6, lines 43-54: having groups and sub groups); and the processor determines a level value of each member by comparing the member with members assigned to having the first social hierarchy level, the second social hierarchy level, and the third social hierarchy level, and provides only as much information as allowed by the determined social hierarchy level (Col 6, lines 43-54: allowing information depending on specific groups).

Stermel and Crowley are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Crowley's disclosure to provide further privacy regulation for users.

Regarding claim 7, Stremel discloses all the particulars of the claim except for the server of claim 1, wherein, for at least one of the social templates, each level of the social hierarchy corresponds to a corresponding different social networking service, and the processor automatically provides different updates to each of the social networking services as allowed under the social hierarchy as defined in the one social template.

However, Crowley does disclose wherein, for at least one of the social templates, each level of the social hierarchy corresponds to a corresponding different social networking service, and the processor automatically provides different updates to each of the social networking services as allowed under the social hierarchy as defined in the

one social template (Col 6, lines 43-54: allowing information depending on specific groups).

Stermel and Crowley are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Crowley's disclosure to provide further privacy regulation for users.

Regarding claim 8, Stremel discloses the server of claim 7, wherein:

one of the social networking services is for professional networking (Fig. 3: social network such as Facebook which includes work info),

one of the social networking services is for non-professional networking (Fig. 3: social network such as Facebook), and

one of the social networking services is a microblogging service (Fig. 3: social network such as Facebook blog about their current status).

Regarding claim 25, Stremel discloses all the particulars of the claim except for the method of claim 24, wherein the information to be provided further comprises a different update to another social networking service as allowed under the social hierarchy as defined in the retrieved social template.

However, Crowley does disclose wherein the information to be provided further comprises a different update to another social networking service as allowed under the

social hierarchy as defined in the retrieved social template (Col 6, lines 43-54: allowing information depending on specific groups).

Stremel and Crowley are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Crowley's disclosure to provide further privacy regulation for users.

4. Claims 4, 16, 17, 19 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stremel in view of Alameh et al. (US 20110273378; hereinafter Alameh).

Regarding claim 4, Stremel discloses all the particulars of the claim except for server of claim 1, wherein the sensor data comprises optical information from an optical sensor of the sensor set which detects an amount of light of the environment of the communication device, and acoustic information from an acoustic sensor of the sensor set which detects a sound level of the environment of the communication device.

However, Alameh does disclose wherein the sensor data comprises optical information from an optical sensor of the sensor set which detects an amount of light of the environment of the communication device, and acoustic information from an acoustic sensor of the sensor set which detects a sound level of the environment of the

communication device ([0026]: a mobile device incorporating an optical light sensor and an audio sensor).

Stermel and Alameh are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Alameh's disclosure to provide further more sensor data to further determine an operational context.

Regarding claim 16, Stremel discloses all the particulars of the claim except for the server of claim 1, wherein the sensor set comprises an input device which the user uses to input data, and the processor detects a status of the communication device according to use or non-use of the input device.

However, Alameh does disclose wherein the sensor set comprises an input device which the user uses to input data, and the processor detects a status of the communication device according to use or non-use of the input device ([0026]: touch sensor would sense the use of the mobile device).

Stermel and Alameh are analogous art for they are mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Alameh's disclosure to provide further more sensor data to further determine an operational context.

Regarding claim 17, Stremel discloses all the particulars of the claim except for the server of claim 16, wherein the input device comprises a touch screen display including a capacitive sensor, and the processor detects a status of the communication device according to changes in a capacitance detected by the capacitive sensor.

However, Alameh does disclose wherein the input device comprises a touch screen display including a capacitive sensor, and the processor detects a status of the communication device according to changes in a capacitance detected by the capacitive sensor ([0026]: touch sensor would sense the use of the mobile device).

Stremel and Alameh are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Alameh's disclosure to provide further more sensor data to further determine an operational context.

Regarding claim 19, Stremel discloses all the particulars of the claim except for the server of claim 1, wherein the sensor data comprises usage data relating to a use of the communication device.

However, Alameh does disclose wherein the sensor data comprises usage data relating to a use of the communication device ([0026]: touch sensor would sense the use of the mobile device).

Stremel and Alameh are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have

been obvious to one ordinarily skilled in the art at the time of invention to incorporate Alameh's disclosure to provide further more sensor data to further determine an operational context.

Regarding claim 29, Stremel discloses all the particulars of the claim except for the method of claim 20, wherein the sensor data comprises usage data relating to a use of the communication device.

However, Alameh does disclose wherein the sensor data comprises usage data relating to a use of the communication device ([0026]: touch sensor would sense the use of the mobile device).

Stremel and Alameh are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Alameh's disclosure to provide further more sensor data to further determine an operational context.

5. Claims 11-13, 27-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stremel in view of Allen et al. (US 7,620,212; hereinafter Allen).

Regarding claim 11, Stremel discloses all the particulars of the claim except for the server of claim 1, wherein, at least one of the social templates corresponds to an emergency, and when the processor detects an emergency situation from the detected

social signature, the processor automatically provides information related to the emergency to predetermined emergency services, friends and/or family members according to the detected emergency situation.

However, Allen does disclose wherein, at least one of the social templates corresponds to an emergency, and when the processor detects an emergency situation from the detected social signature, the processor automatically provides information related to the emergency to predetermined emergency services, friends and/or family members according to the detected emergency situation (Col 22, lines 37-51: wherein using a biometric sensor detecting an emergency and calling an emergency alert number).

Stremel and Allen are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Allen's disclosure to provide further more sensor data to further determine an operational context.

Regarding claim 12, Stremel disclose all the particulars of the claim except for the server of claim 1, wherein the processor processes the received sensor data to obtain biometric data of a user of the communication device, creates the detected social signature from the received sensor data and the obtained biometric data, identifies the user according to the obtained biometric data, and retrieves from the memory the determined one social template having the greatest correspondence to the detected social signature for the identified user.

However, Allen does disclose wherein the processor processes the received sensor data to obtain biometric data of a user of the communication device, creates the detected social signature from the received sensor data and the obtained biometric data, identifies the user according to the obtained biometric data, and retrieves from the memory the determined one social template having the greatest correspondence to the detected social signature for the identified user (Col 22, lines 37-51: wherein using a biometric sensor detecting an emergency and calling an emergency alert number).

Stermel and Allen are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Allen's disclosure to provide further more sensor data to further determine an operational context.

Regarding claim 13, Allen discloses the server of claim 12, wherein the sensor set comprises an input device of which the user uses to input data, and the processor identifies the user according to a writing pattern of the user while inputting the data (Col 13, lines 40-45: wherein the sensor can recognize password of users).

Stermel and Allen are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Allen's disclosure to provide further more sensor data to further determine an operational context.

Regarding claim 27, Stremel discloses all the particulars of the claim except for the method of claim 20, further comprising detecting an emergency from the constructed social signature, wherein the information to be provided comprises information related to the emergency which is to be selectively provided to predetermined emergency services, friends and/or family members according to the detected emergency situation using one of the social templates.

However, Allen does disclose wherein the information to be provided comprises information related to the emergency which is to be selectively provided to predetermined emergency services, friends and/or family members according to the detected emergency situation using one of the social templates (Col 22, lines 37-51: wherein using a biometric sensor detecting an emergency and calling an emergency alert number).

Stremel and Allen are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Allen's disclosure to provide further more sensor data to further determine an operational context.

Regarding claim 28, Stremel discloses all the particulars of the claim except for the method of claim 20, further comprising:

obtaining biometric data using the sensor data; and

identifying a user of the communication device according to the obtained biometric data, wherein the determining comprises determining the one social template having the greatest correspondence for the identified user.

However, Allen does disclose

obtaining biometric data using the received sensor data (Col 22, lines 37-51: using the biometric sensor); and

identifying a user of the communication device according to the obtained biometric data, wherein the determining comprises determining the one social template having the greatest correspondence for the identified user (Col 22, lines 37-51: wherein using a biometric sensor detecting an emergency and calling an emergency alert number).

Stremel and Allen are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Allen's disclosure to provide further more sensor data to further determine an operational context.

6. Claims 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stremel in view of Allen as applied to claim 12 above, and further in view of Alameh et al. (US 20110273378; hereinafter Alameh).

Regarding claim 14, Stremel in view of Allen discloses all the particulars of the claim except for the server of claim 12, wherein the sensor set comprises an optical

sensor, and the processor identifies the user according to an optical pattern unique to the user and which is detected using the optical sensor.

However, Alameh does disclose wherein the sensor set comprises an optical sensor, and the processor identifies the user according to an optical pattern unique to the user and which is detected using the optical sensor ([0026]: a mobile device incorporating an optical light sensor and an audio sensor).

Stermel, Allen and Alameh are analogous art for they are mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Alameh's disclosure to provide further more sensor data to further determine an operational context.

Regarding claim 15, Stremel in view of Allen discloses all the particulars of the claim except for the server of claim 12, wherein the sensor set comprises an audio sensor, and the processor identifies the user according to a speech pattern unique to the user and which is detected using the audio sensor.

However, Alameh does disclose wherein the sensor set comprises an audio sensor, and the processor identifies the user according to a speech pattern unique to the user and which is detected using the audio sensor ([0026]: a mobile device incorporating an audio sensor).

Stermel, Allen and Alameh are analogous art for they are mobile telecommunication methods providing a more user aware mobile devices. It would have

been obvious to one ordinarily skilled in the art at the time of invention to incorporate Alameh's disclosure to provide further more sensor data to further determine an operational context.

7. Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Stremel in view of Zhang et al. (US 2008/0291024; hereinafter Zhang).

Regarding claim 18, Stremel discloses all the particulars of the claim except for The server of claim 1, wherein the sensor set comprises an Ultra Wideband sensor which provides ranging data regarding the environment of the communication device, and the processor includes in the social signature a size of the location in which the communication device is found using the provided ranging data.

However, Zhang does disclose wherein the sensor set comprises an Ultra Wideband sensor which provides ranging data regarding the environment of the communication device, and the processor includes in the social signature a size of the location in which the communication device is found using the provided ranging data ([0036]: the UWB sensors are used to map out the environment of the user's location).

Stremel and Zhang are analogous art for they are both mobile telecommunication methods providing a more user aware mobile devices. It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Zhang's disclosure to provide further more sensor data to further determine an operational context.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHUCK HUYNH whose telephone number is (571)272-7866. The examiner can normally be reached on M-Th 9-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on 571-272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Chuck Huynh/
Examiner, Art Unit 2617

/Patrick N. Edouard/

Supervisory Patent Examiner, Art Unit 2617

Application/Control Number: 13/047,290
Art Unit: 2617

Page 26

Notice of References Cited	Application/Control No. 13/047,290	Applicant(s)/Patent Under Reexamination NUNALLY, PATRICK	
	Examiner CHUCK HUYNH	Art Unit 2617	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-7,809,805	10-2010	Stremel et al.	709/219
*	B	US-2010/0056872	03-2010	Kahn et al.	600/300
*	C	US-7,593,740	09-2009	Crowley et al.	455/456.3
*	D	US-2011/0273378	11-2011	Alameh et al.	345/173
*	E	US-7,620,212	11-2009	Allen et al.	382/115
*	F	US-2008/0291024	11-2008	Zhang et al.	340/572.1
	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					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Receipt date: 03/16/2011

13047290 - GAU: 2617

Sheet 1 of 1

ATTACHMENT 1(a)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>	ATTORNEY DOCKET NO.	APPLICATION NO.
	0152.1002C4	13/047,290
	FIRST NAMED INVENTOR	
	Patrick NUNALLY	
	FILING DATE	GROUP ART UNIT
	March 14, 2011	Not yet assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	US 7,593,740	09/2009	Crowley et al.			
	AB	US 7,809,805	10/2010	Stremel et al.			
	AC	US 2010/0056872	03/2010	Kahn et al.			
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
	AG						
	AH						
	AI						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

			TRANSLATION YES NO	
	AJ	Facebook Help Center page on Places. http://www.facebook.com/help/?page=1080 . Retrieved on September 28, 2010.		
	AK	Ketabdar, Hamed, "Using Mobile Phones for Monitoring Physical Conditions", Quality and Usability Lab, Deutsche Telekom Laboratories, Berlin, 3 pages		

EXAMINER /Chuck Huynh/	DATE CONSIDERED 02/13/2012
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.H./

ATTACHMENT 1(F)

LIST OF COPENDING APPLICATIONS	ATTORNEY DOCKET NO.	APPLICATION NO.
	0152.1002C4	13/047,290
	FIRST NAMED INVENTOR	
	Patrick NUNALLY	
	FILING DATE	GROUP ART UNIT
	March 14, 2011	Not yet assigned

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.


This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

U.S. PATENT APPLICATION DOCUMENTS

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
	1	12/891,875	09/28/2010	Patrick Nunally	e.Digital Corporation
	2	13/047,163	03/14/2011	Patrick Nunally	e.Digital Corporation
	3	13/047,206	03/14/2011	Patrick Nunally	e.Digital Corporation
	4	13/047,420	03/14/2011	Patrick Nunally	e.Digital Corporation
	5	13/047,306	03/14/2011	Patrick Nunally	e.Digital Corporation
	6				
	7				
	8				

EXAMINER /Chuck Huynh/	DATE CONSIDERED 02/13/2012
<p>*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.H./


Search Notes 	Application/Control No. 13047290	Applicant(s)/Patent Under Reexamination NUNALLY, PATRICK
	Examiner CHUCK HUYNH	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	414.1	2/13/2012	/CH/

SEARCH NOTES		
Search Notes	Date	Examiner
Class/Subclass	2/13/2012	/CH/
IDS	2/13/2012	/CH/
Assignee/Inventor Search	2/13/2012	/CH/

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

/CHUCK HUYNH/ Examiner.Art Unit 2617	
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<i>Index of Claims</i> 	Application/Control No. 13047290	Applicant(s)/Patent Under Reexamination NUNALLY, PATRICK
	Examiner CHUCK HUYNH	Art Unit 2617

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant			<input type="checkbox"/> CPA			<input type="checkbox"/> T.D.			<input type="checkbox"/> R.1.47		
CLAIM		DATE									
Final	Original	02/13/2012									
	1	✓									
	2	✓									
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	30	✓									

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14	((("7809805") or ("20100056872") or ("7593740") or ("20110273378") or ("7620212") or ("20080291024")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/02/13 12:49
S1	5397	(455/414.1).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/02/13 11:09

EAST Search History (Interference)

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BIB DATA SHEET

CONFIRMATION NO. 6553

SERIAL NUMBER 13/047,290	FILING or 371(c) DATE 03/14/2011 RULE	CLASS 455	GROUP ART UNIT 2617	ATTORNEY DOCKET NO. 0152.1002C4		
APPLICANTS Patrick Nunally, San Diego, CA; ** CONTINUING DATA ***** This application is a CON of 12/891,875 09/28/2010 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** * SMALL ENTITY ** 03/24/2011						
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and Acknowledged <u>/CHUCK HUYNH/</u> Examiner's Signature		<input type="checkbox"/> Met after Allowance Initials	STATE OR COUNTRY CA	SHEETS DRAWINGS 3	TOTAL CLAIMS 30	INDEPENDENT CLAIMS 2
ADDRESS STEIN MCEWEN, LLP 1400 EYE STREET, NW SUITE 300 WASHINGTON, DC 20005 UNITED STATES						
TITLE SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS						
FILING FEE RECEIVED 722	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees			
			<input type="checkbox"/> 1.16 Fees (Filing)			
			<input type="checkbox"/> 1.17 Fees (Processing Ext. of time)			
			<input type="checkbox"/> 1.18 Fees (Issue)			
			<input type="checkbox"/> Other _____			
<input type="checkbox"/> Credit						

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 13/047,290	
APPLICATION AS FILED - PART I							
(Column 1)		(Column 2)		SMALL ENTITY		OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	82		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	270		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	110		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	30	minus 20 = *	10	x 26 =	260		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2	minus 3 = *		x 110 =	0.00		
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$270 (\$135 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		
			TOTAL	722		TOTAL	
* If the difference in column 1 is less than zero, enter "0" in column 2.							
APPLICATION AS AMENDED - PART II							
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	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
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	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.							



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
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
13/047,290	03/14/2011	2628	722	0152.1002C4	30	2

CONFIRMATION NO. 6553

FILING RECEIPT



0000000046750796*

49455
STEIN MCEWEN, LLP
1400 EYE STREET, NW
SUITE 300
WASHINGTON, DC 20005

Date Mailed: 03/28/2011

Receipt is acknowledged of this non-provisional 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**

Applicant(s)

Patrick Nunally, San Diego, CA;

Assignment For Published Patent Application

e.Digital Corporation, San Diego, CA

Power of Attorney: The patent practitioners associated with Customer Number 49455

Domestic Priority data as claimed by applicant

This application is a CON of 12/891,875 09/28/2010

Foreign Applications (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.)

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 03/24/2011

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/047,290**

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

**** SMALL ENTITY ****

Title

SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS

Preliminary Class

345

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 (1-866-999-4158).

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

page 2 of 3

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).

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>	ATTORNEY DOCKET NO.	APPLICATION NO.
	0152.1002C4	13/047,290
	FIRST NAMED INVENTOR	
	Patrick NUNALLY	
	FILING DATE	GROUP ART UNIT
	March 14, 2011	Not yet assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	US 7,593,740	09/2009	Crowley et al.			
	AB	US 7,809,805	10/2010	Stremel et al.			
	AC	US 2010/0056872	03/2010	Kahn et al.			
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
	AG						
	AH						
	AI						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

					TRANSLATION YES NO	
	AJ	Facebook Help Center page on Places. http://www.facebook.com/help/?page=1080 . Retrieved on September 28, 2010.				
	AK	Ketabdar, Hamed, "Using Mobile Phones for Monitoring Physical Conditions", Quality and Usability Lab, Deutsche Telekom Laboratories, Berlin, 3 pages				

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ATTACHMENT 1(F)

LIST OF COPENDING APPLICATIONS	ATTORNEY DOCKET NO.	APPLICATION NO.
	0152.1002C4	13/047,290
	FIRST NAMED INVENTOR	
	Patrick NUNALLY	
	FILING DATE	GROUP ART UNIT
	March 14, 2011	Not yet assigned

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

U.S. PATENT APPLICATION DOCUMENTS

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
	1	12/891,875	09/28/2010	Patrick Nunally	e.Digital Corporation
	2	13/047,163	03/14/2011	Patrick Nunally	e.Digital Corporation
	3	13/047,206	03/14/2011	Patrick Nunally	e.Digital Corporation
	4	13/047,420	03/14/2011	Patrick Nunally	e.Digital Corporation
	5	13/047,306	03/14/2011	Patrick Nunally	e.Digital Corporation
	6				
	7				
	8				

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Electronic Acknowledgement Receipt

EFS ID:	9670939
Application Number:	13047290
International Application Number:	
Confirmation Number:	6553
Title of Invention:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS
First Named Inventor/Applicant Name:	Patrick Nunally
Customer Number:	49455
Filer:	James Garrett McEwen/Christine Grimes
Filer Authorized By:	James Garrett McEwen
Attorney Docket Number:	0152.1002C4
Receipt Date:	16-MAR-2011
Filing Date:	
Time Stamp:	14:47:56
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		ids_031611.pdf	682088	yes	6
			abc07800d5e9f54c60714952f59334220d86205f		

	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	4	
	Information Disclosure Statement (IDS) Filed (SB/08)		5	6	
Warnings:					
Information:					
2		idsrefs_031611.pdf	756515	yes	9
			512465fdc787e1c9a5f3ac56aa607cc9223aaad1		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	NPL Documents		1	6	
	NPL Documents		7	9	
Warnings:					
Information:					
Total Files Size (in bytes):			1438603		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Patrick NUNALLY

Confirmation No.: 6553

Application No.: 13/047,290

Group Art Unit: Not yet assigned

Filed: March 14, 2011

Examiner: Not yet assigned

For: SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:
 - 1a. ☒ List Of References Cited By Applicant (ATTACHMENT 1(a), hereto).
 - 1b. ☒ Copy(ies) of IDS citation(s), except for U.S. Patents and U.S. Patent Application publications.
 - 1c. ☐ English language copy of a communication(s) from a foreign Patent Office or a PCT International Search Report.
 - 1d. ☐ English language translation (Abstract Only) attached to non-English language publications as indicated on the attached List Of References Cited By Applicant.
 - 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of non-English publications.
 - 1f. ☒ List of Copending Applications (ATTACHMENT 1(f), hereto).
 - 1g. ☐ List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).
2. ☒ This Information Disclosure Statement is filed under 37 CFR § 1.97(b):

(Check either Item 2a or 2b or 2c or 2d)

 - 2a. ☐ Within three months of the filing date of a national application;
 - 2b. ☐ Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application.
 - 2c. ☒ Before the mailing of a first Office Action on the merits; or
 - 2d. ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.

3. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(c) after the period specified in paragraph 2 above but before the mailing date of any of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND

(Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)

- 3a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; OR
3b. ☐ The \$180.00 fee set forth in 37 CFR § 1.17(p) is:
☐ enclosed.
☐ to be charged to Deposit Account No. 503333.

4. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(d) after the period specified in paragraph 3 above, but on or before payment of the Issue Fee, AND

- 4a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; AND
4b. ☐ The \$180.00 fee set forth in 37 CFR § 1.17(p) is:
☐ enclosed.
☐ to be charged to Deposit Account No. 503333.

5. ☐ Statement under § 1.97(e) (*applicable if Item 3a or Item 4a is checked*)

(Check either Item 5a or 5b)

- 5a. ☐ In accordance with 37 CFR § 1.97(e)(1), it is stated that each item of information contained in this 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 this Information Disclosure Statement.
5b. ☐ In accordance with 37 CFR § 1.97(e)(2), it is stated that no item of information contained in this 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 this Information Disclosure Statement was known by any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

6. ☐ This is a continuation/divisional/continuation-in-part application under 37 CFR § 1.53(b).

(Check appropriate Items 6a and/or 6b)

- 6a. ☐ Copies of the publications listed on the attached List Of References Cited By Applicant which were previously cited in prior application Serial No. ___, filed on ___, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to 37 CFR § 1.98(d).
6b. ☐ Copies of the publications listed on the attached List Of References Cited By Applicant which were not previously cited in prior application Serial No. ___, filed on ___, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, are provided herewith.

7. ☐ This is a Request for Continued Examination under 37 CFR § 1.114.
(Check either Item 7a or 7b)
- 7a. ☐ The Issue Fee has not been paid.
- 7b. ☐ A Petition to Withdraw from issue under 37 CFR § 1.313(c) is filed concurrently herewith or has been granted. A Request for Continued Examination under 37 CFR § 1.114, after payment of the Issue Fee, is proper in accordance with 37 CFR § 1.114(a), respectively.
8. ☐ This is a Supplemental Information Disclosure Statement.
(Check either Item 8a or 8b)
- 8a. ☐ This Supplemental Information Disclosure Statement under 37 CFR § 1.97(f) supplements the Information Disclosure Statement filed on _____. A bona fide attempt was made to comply with 37 CFR § 1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on _____.
- 8b. ☐ This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR §§ 1.97 and 1.98, mailed _____.
9. ☐ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:
(Check appropriate Items 9a, 9b, 9c and/or 9d)
- 9a. ☐ satisfied for the non-English language publication(s) cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609.04(a)(III), Minimum Requirements for an Information Disclosure Statement: Concise Explanation of Relevance, 8th Ed., Rev. 5)
- 9b. ☐ set forth in the application.
- 9c. ☐ satisfied for the non-English language publication(s) indicated on the attached List Of References Cited By Applicant as having an English language translation (Abstract Only) attached thereto.
- 9d. ☐ enclosed as Attachment 1(e), hereto.
10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

Application No.: 13/047,290

11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR § 1.17 for this Information Disclosure Statement to Deposit Account No. 503333.

Respectfully submitted,

STEIN MCEWEN, LLP

Dated: March 16, 2011
1400 Eye St., N.W.
Suite 300
Washington, D.C. 20005
Telephone: (202) 216-9505
Facsimile: (202) 216-9510

By: 

James G. McEwen
Registration No. 41,983

CONTINUING (1.53(b)) UTILITY PATENT APPLICATION TRANSMITTAL	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Attorney Docket No. 0152.1002C4</td> </tr> <tr> <td colspan="2">First Named Inventor: Patrick NUNALLY</td> </tr> <tr> <td style="width: 30%;">Title:</td> <td>SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS</td> </tr> <tr> <td colspan="2">Express Mail Label No.</td> </tr> </table>	Attorney Docket No. 0152.1002C4		First Named Inventor: Patrick NUNALLY		Title:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS	Express Mail Label No.	
Attorney Docket No. 0152.1002C4									
First Named Inventor: Patrick NUNALLY									
Title:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS								
Express Mail Label No.									
<i>(Only for continuing applications under 37 CFR 1.53(b))</i>									
APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>	ADDRESS TO: Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450								
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Fee Transmittal Form 2. <input checked="" type="checkbox"/> Specification, Claims & Abstract..... [Total Pages: <u>38</u>] 3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113)..... [Total Sheets: <u>3</u>] [FIGS. 1-3] 4. <input checked="" type="checkbox"/> Oath or Declaration..... [Total Pages: <u>1</u>] <ol style="list-style-type: none"> a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) 5. <input type="checkbox"/> This application is filed by fewer than all the inventors named in the prior nonprovisional application. <ol style="list-style-type: none"> a. <input type="checkbox"/> DELETE the following inventor(s) named in the prior nonprovisional application: b. <input type="checkbox"/> The inventor(s) to be deleted are set forth on a separate sheet attached hereto. 6. <input checked="" type="checkbox"/> Verified Statement Claiming Small Entity Status 7. <input checked="" type="checkbox"/> Incorporation by Reference (usable if Box 4b is checked) The entire disclosure of the prior application (identified in Item 21), from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 8. <input type="checkbox"/> Applicant claims foreign priority benefit to: 9. <input type="checkbox"/> Application Data Sheet. See 37 C.F.R. 1.76 10. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix) 11. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ol style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: <ol style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statement verifying identity of above copies 12. <input checked="" type="checkbox"/> Assignment to e.Digital Corporation of San Diego, California at Reel 025060, Frame 0120 <input checked="" type="checkbox"/> for publication of assignee information under 37 CFR 1.215(b) 									
ACCOMPANYING APPLICATION PARTS									
<ol style="list-style-type: none"> 13. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney 14. <input type="checkbox"/> English Translation Document (if applicable) 15. <input type="checkbox"/> Foreign priority benefit under 35 U.S.C. §119 is claimed. <ol style="list-style-type: none"> a. <input type="checkbox"/> Certified Copy of Priority Document(s) filed in prior application No. b. <input type="checkbox"/> Certified Copy of Priority Document(s) enclosed. c. <input type="checkbox"/> Certified Copy of Priority Document(s) to follow. 16. <input type="checkbox"/> Information Disclosure Statement (IDS)/List of References <input type="checkbox"/> Copies of IDS Citations 17. <input checked="" type="checkbox"/> Cross Reference to Related Application(s) to meet requirements under 35 USC §120 in attached Specification <input type="checkbox"/> Cross Reference to Related Application(s) to meet requirements under 35 USC §120 in attached Preliminary Amendment 18. <input type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 19. <input checked="" type="checkbox"/> Request and Certification for Nonpublication under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent 20. <input type="checkbox"/> Other: 									

21. CONTINUING APPLICATION, check appropriate box and supply the requisite information below:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 12/891,875.

Prior application information: Examiner: Dwayne D. Bost
Group/Art Unit: 2617

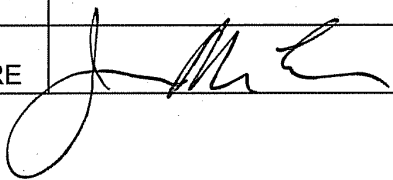
22. NEW CORRESPONDENCE ADDRESS & CUSTOMER NO.

STEIN MCEWEN, LLP

49,455

PATENT TRADEMARK OFFICE


23. SIGNATURE OF ATTORNEY OR AGENT

NAME	James G. McEwen	REGISTRATION NO.	41,983
SIGNATURE		DATE	March 14, 2011

[Page 2 of 2]

NEW APPLICATION FEE TRANSMITTAL		Attorney Docket No.	0152.1002C4
		Application Number	
		Filing Date	March 14, 2011
AMOUNT ENCLOSED	\$ 805.00	First Named Inventor	Patrick NUNALLY

FEE CALCULATION (fees effective 10/2/2008)					
CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS	30 - 20 =	10	X \$ 52.00 =	\$ 520.00
	INDEPENDENT CLAIMS	2 - 3 =	0	X \$220.00 =	\$ 0
	MULTIPLE DEPENDENT CLAIMS (any number; if applicable)			+ \$390.00 =	
	BASIC FILING FEE, EXAMINATION FEE AND SEARCH FEE				\$330.00 \$220.00 \$540.00
	Total of above Calculations =				\$ 1610.00
	Surcharge Fee for Each 50 sheets over 100 (\$270)				0
	Surcharge for late filing fee, Oath or Declaration (37 CFR 1.53(f)) (\$130.00)				
	Reduction by 50% for filing by small entity (37 CFR 1.27).				0.00
	Additional reduction of Basic Filing Fee for electronic filing (small entity)				
	TOTAL FILING FEE =				\$ 805.00
	Surcharge for filing non-English language application (\$130.00; 37 CFR 1.52(d))				
	Recordation of Assignment (\$40.00; 37 CFR 1.21(h))				
	TOTAL FEES DUE =				\$ 805.00

METHOD OF PAYMENT			
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SUBMITTED BY: STEIN MCEWEN, LLP			
Typed Name	James G. McEwen	Reg. No.	41,983
Signature		Date	March 14, 2011

CONTINUING (1.53(b)) UTILITY PATENT APPLICATION TRANSMITTAL	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Attorney Docket No. 0152.1002C4</td> </tr> <tr> <td colspan="2">First Named Inventor: Patrick NUNALLY</td> </tr> <tr> <td style="width: 30%;">Title:</td> <td>SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS</td> </tr> <tr> <td colspan="2">Express Mail Label No.</td> </tr> </table>	Attorney Docket No. 0152.1002C4		First Named Inventor: Patrick NUNALLY		Title:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS	Express Mail Label No.	
Attorney Docket No. 0152.1002C4									
First Named Inventor: Patrick NUNALLY									
Title:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS								
Express Mail Label No.									
(Only for continuing applications under 37 CFR 1.53(b))									
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450								
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Fee Transmittal Form 2. <input checked="" type="checkbox"/> Specification, Claims & Abstract..... [Total Pages: 38] 3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113)..... [Total Sheets: 3] [FIGS. 1-3] 4. <input checked="" type="checkbox"/> Oath or Declaration..... [Total Pages: 1] <ol style="list-style-type: none"> a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) 5. <input type="checkbox"/> This application is filed by fewer than all the inventors named in the prior nonprovisional application. <ol style="list-style-type: none"> a. <input type="checkbox"/> DELETE the following inventor(s) named in the prior nonprovisional application: b. <input type="checkbox"/> The inventor(s) to be deleted are set forth on a separate sheet attached hereto. 6. <input checked="" type="checkbox"/> Verified Statement Claiming Small Entity Status 7. <input checked="" type="checkbox"/> Incorporation by Reference (usable if Box 4b is checked) The entire disclosure of the prior application (identified in Item 21), from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 8. <input type="checkbox"/> Applicant claims foreign priority benefit to: 9. <input type="checkbox"/> Application Data Sheet. See 37 C.F.R. 1.76 10. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix) 11. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ol style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: <ol style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statement verifying identity of above copies 12. <input checked="" type="checkbox"/> Assignment to e.Digital Corporation of San Diego, California at Reel 025060, Frame 0120 <div style="margin-left: 20px;"><input checked="" type="checkbox"/> for publication of assignee information under 37 CFR 1.215(b)</div> 									
ACCOMPANYING APPLICATION PARTS									
<ol style="list-style-type: none"> 13. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney 14. <input type="checkbox"/> English Translation Document (if applicable) 15. <input type="checkbox"/> Foreign priority benefit under 35 U.S.C. §119 is claimed. <ol style="list-style-type: none"> a. <input type="checkbox"/> Certified Copy of Priority Document(s) filed in prior application No. b. <input type="checkbox"/> Certified Copy of Priority Document(s) enclosed. c. <input type="checkbox"/> Certified Copy of Priority Document(s) to follow. 16. <input type="checkbox"/> Information Disclosure Statement (IDS)/List of References <input type="checkbox"/> Copies of IDS Citations 17. <input checked="" type="checkbox"/> Cross Reference to Related Application(s) to meet requirements under 35 USC §120 in attached Specification <input type="checkbox"/> Cross Reference to Related Application(s) to meet requirements under 35 USC §120 in attached Preliminary Amendment 18. <input type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 19. <input checked="" type="checkbox"/> Request and Certification for Nonpublication under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent 20. <input type="checkbox"/> Other: 									

21. CONTINUING APPLICATION, check appropriate box and supply the requisite information below:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 12/891,875.

Prior application information: Examiner: Dwayne D. Bost
Group/Art Unit: 2617

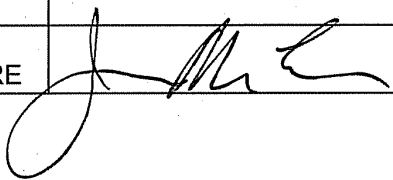
22. NEW CORRESPONDENCE ADDRESS & CUSTOMER NO.

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49,455

PATENT TRADEMARK OFFICE

23. SIGNATURE OF ATTORNEY OR AGENT

NAME	James G. McEwen	REGISTRATION NO.	41,983
SIGNATURE		DATE	March 14, 2011

[Page 2 of 2]

NEW APPLICATION FEE TRANSMITTAL		Attorney Docket No.	0152.1002C4
		Application Number	
		Filing Date	March 14, 2011
AMOUNT ENCLOSED	\$ 805.00	First Named Inventor	Patrick NUNALLY

FEE CALCULATION (fees effective 10/2/2008)					
CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS	30 - 20 =	10	X \$ 52.00 =	\$ 520.00
	INDEPENDENT CLAIMS	2 - 3 =	0	X \$220.00 =	\$ 0
	MULTIPLE DEPENDENT CLAIMS (any number; if applicable)			+ \$390.00 =	
	BASIC FILING FEE, EXAMINATION FEE AND SEARCH FEE				\$330.00 \$220.00 \$540.00
	Total of above Calculations =				\$ 1610.00
	Surcharge Fee for Each 50 sheets over 100 (\$270)				0
	Surcharge for late filing fee, Oath or Declaration (37 CFR 1.53(f)) (\$130.00)				
	Reduction by 50% for filing by small entity (37 CFR 1.27).				0.00
	Additional reduction of Basic Filing Fee for electronic filing (small entity)				
	TOTAL FILING FEE =				\$ 805.00
	Surcharge for filing non-English language application (\$130.00; 37 CFR 1.52(d))				
	Recordation of Assignment (\$40.00; 37 CFR 1.21(h))				
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SUBMITTED BY: STEIN MCEWEN, LLP

Typed Name	James G. McEwen	Reg. No.	41,983
Signature		Date	March 14, 2011

COMBINED DECLARATION/POWER OF ATTORNEY FOR UTILITY/DESIGN PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS

the specification of which is attached hereto, unless the following box is checked:

☐ was filed on _____ as United States Application Number or PCT International Application Number Not yet assigned and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefit(s) under 35 U.S.C. § 119(a)-(d) or § 365(a)-(c) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority NOT
Claimed

(Number)	(Country)	Day/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. § 120 or § 119(e) of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Serial No.)	(Filing Date)	(Status -- patented, pending, abandoned)

I hereby appoint the attorneys and agents of Stein McEwen, LLP under the following USPTO Customer No. to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

49,455

PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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☒ 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), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application as filed with respect to: 1) the above-identified application, 2) any foreign application to which the above-identified application claims priority under 35 USC 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 above-identified US application, and 3) any U.S. application from which benefit is sought in the above-identified application. In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

Full name of sole or first inventor Patrick NUNALLY

Inventor's Signature 

Date 9/27/2010

Residence San Diego, CA

Citizenship USA

Mailing Address 970 West Valley Parkway, Escondido, CA 92029

SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application is a continuation of U.S. Patent Application No. 12/891,875, filed September 28, 2010, currently pending, the disclosure of which is incorporated herein by reference.

BACKGROUND

1. Field

[0002] Aspects of the invention relate to automatically determining if an incoming communication is interruptive, and more particularly to the classification of a person's current actions such that selected callers can automatically or manually gauge the intrusiveness of a communication request.

2. Description of the Related Art

[0003] The development of pervasive communication technologies has delivered direct access to mobile device users worldwide. While access has given users the convenience of communication at all times this convenience in many cases is a burden as callers can inadvertently interrupt other activities which socially take precedence. One exemplary example is a phone ringing in the middle of a conversation – socially a person would never interrupt another conversation unless the matter was extremely urgent. The fact that communication requests cannot be socially integrated has made the pervasiveness of communication a burden and has lead to ignoring of calls (urgent or not) as well as allowing remote communications to take precedence over local communications.

SUMMARY

[0004] According to an aspect of the invention, a device to automatically provide differing levels of information according to a predetermined social hierarchy includes a memory which stores social templates, each social template corresponding to a unique social signature and being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy; and a processor which receives sensor data received from a sensor set which detects sensor data related to an environment of a communication device, creates a detected social signature from the received sensor data, determines which of the social signatures of the social templates has the greatest correspondence with the created social signature, retrieves from the memory the determined one social template having the greatest correspondence, and

provides to at least one member of the predetermined social hierarchy only as much information as allowed under the social hierarchy as defined in the retrieved social template.

[0005] According to an aspect of the invention, the sensor data comprises a location of the communication device; a movement of the communication device; and user social statistics indicating an interaction between the communication device and the environment of the communication device, and the processor compares the location with map data to determine a map location of the communication device, and creates the detected social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and the environment of the communication device.

[0006] According to an aspect of the invention, the levels of the social hierarchy of the retrieved social template include a first social hierarchy level which provides one level of information as selected in the retrieved social template, a second social hierarchy level which provides another of level information as selected in the retrieved social template, and a third social hierarchy level which provides further information as selected in the retrieved social template; and the processor determines a level value of each member by comparing the member with members assigned to having the first social hierarchy level, the second social hierarchy level, and the third social hierarchy level, and provides only as much information as allowed by the determined social hierarchy level.

[0007] According to an aspect of the invention, the user social statistics includes an amount of light of the environment of the communication device, a sound level of the environment of the communication device, a detected heart rate of a user of the communication device, ultrasound levels of the communication device, infrared levels of the communication device, temperature levels of the communication device, local network/data logging of the communication device, capacitive readings of a touch screen of the communication device, a biometric based upon a user's use of the communication device, data related to the communications by and programs running on the communication device, pressure data of the communication device, magnetic field data of the communication device, proximity data of the communication devices, or combinations thereof.

[0008] According to an aspect of the invention, the processor further detects an error between the detected social signature and the social signature of the determined one social template having the greatest correspondence, updates the social signature of the determined one social template to include the detected error such that the social signature of the determined one social template incorporates the detected social signature where it is

determined that the determined one social template is accurate, and creates a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

[0009] According to an aspect of the invention, the processor automatically determines if an incoming communication from a communication requestor is interruptive by, prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template.

[0010] According to an aspect of the invention, for at least one of the social templates, each level of the social hierarchy corresponds to a corresponding different social networking service, and the processor automatically provides different updates to each of the social networking services as allowed under the social hierarchy as defined in the one social template.

[0011] According to an aspect of the invention, one of the social networking services is for professional networking, one of the social networking services is for non-professional networking, and one of the social networking services is a microblogging service.

[0012] According to an aspect of the invention, for at least one of the social templates, there is a single level of social hierarchy for a social networking service, and the processor automatically provides an update to the social networking services.

[0013] According to an aspect of the invention, for at least one of the social templates, there is a single level of social hierarchy for a microblogging service, and the processor automatically provides an update to the microblogging service.

[0014] According to an aspect of the invention, at least one of the social templates corresponds to an emergency update, and when the processor detects an emergency situation from the sensor data, the processor automatically provides information related to the emergency to predetermined emergency services, friends and/or family members according to the detected emergency situation.

[0015] According to an aspect of the invention, the processor processes the received sensor data to obtain biometric data of a user of the communication device, creates the detected social signature from the received sensor data and the obtained biometric data, identifies the user according to the obtained biometric data, and retrieves from the memory the determined one social template having the greatest correspondence to the detected social signature for the identified user.

[0016] According to an aspect of the invention, one of the sensors comprises an input device which the user uses to input data, and the processor identifies the user according to a writing pattern of the user while inputting the data.

[0017] According to an aspect of the invention, one of the sensors comprises an optical sensor, and the processor identifies the user according to a pattern recognition unique to the user.

[0018] According to an aspect of the invention, one of the sensors comprises an audio sensor, and the processor identifies the user according to a speech pattern recognition unique to the user.

[0019] According to an aspect of the invention, one of the sensors comprises an Ultra Wideband sensor which provides ranging data regarding the environment, and the processor includes in the social signature a size of the location in which the communication device is found.

[0020] According to an aspect of the invention, a communication device to automatically provide differing levels of information according to a predetermined social hierarchy includes a sensor set which detects sensor data related to an environment of the communication device; a memory which stores social templates, each social template corresponding to a unique social signature and being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy; a processor which receives the sensor data received from the sensor set, creates a detected social signature from the received sensor data, determines which of the social signatures of the social templates has the greatest correspondence with the created social signature, retrieves from the memory the determined one social template having the greatest correspondence, and provides to at least one member of the predetermined social hierarchy only as much information as allowed under the social hierarchy as defined in the retrieved social template; a transceiver which provides communication with respect to external devices, and sends the information as defined in the retrieved social template under the control of the processor; and a housing which houses the sensor set, the processor, the memory, and the transceiver.

[0021] According to an aspect of the invention, the sensor set comprises: a location sensor which senses a location of the communication device; an acceleration sensor which senses movement of the communication device; and a user social statistics sensor which senses an

interaction between the communication device and the environment of the communication device, and the processor compares the location with map data to determine a map location of the communication device, and creates the detected social signature to include information on the map location of the communication device, the acceleration being experienced by the communication device, and the environment of the communication device.

[0022] According to an aspect of the invention, the device comprises a mobile device.

[0023] According to an aspect of the invention, the levels of the social hierarchy of the retrieved social template include a first social hierarchy level which provides one level of information, a second social hierarchy level which provides another level of information, and a third social hierarchy level which provides a different level of information; and the processor determines a level value of each member by comparing the member with members assigned to having the first social hierarchy level, the second social hierarchy level, and the third social hierarchy level, and provides only as much information as allowed by the determined social hierarchy level.

[0024] According to an aspect of the invention, the first social hierarchy level provides information including a desired contact state, the map location and the environment, the second social hierarchy level provides information including the desired contact state and the environment but not the map location, and the third social hierarchy level provides information on only the desired contact state.

[0025] According to an aspect of the invention, the sensor set further comprises an optical sensor which detects an amount of light of the environment of the communication device, and an acoustic sensor which detects a sound level and/or characteristics of the environment of the communication device.

[0026] According to an aspect of the invention, the processor further detects an error between the detected social signature and the social signature of the determined one social template having the greatest correspondence, updates the social signature of the determined one social template to include the detected error such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate, and creates a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

[0027] According to an aspect of the invention, the processor automatically determines if an

incoming communication from a communication requestor being received through the transceiver is interruptive by, prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template.

[0028] According to an aspect of the invention, for at least one of the social templates, each level of the social hierarchy corresponds to a corresponding different social networking service, and the processor automatically provides different updates to each of the social networking services as allowed under the social hierarchy as defined in the one social template.

[0029] According to an aspect of the invention, one of the social networking services is for professional networking, one of the social networking services is for non-professional networking, and one of the social networking services is a microblogging service.

[0030] According to an aspect of the invention, for at least one of the social templates, there is a single level of social hierarchy for a social networking service, and the processor automatically provides an update to the social networking services.

[0031] According to an aspect of the invention, for at least one of the social templates, there is a single level of social hierarchy for a microblogging service, and the processor automatically provides an update to the microblogging service.

[0032] According to an aspect of the invention, at least one of the social templates corresponds to an emergency update, and when the processor detects an emergency situation from the sensor data, the processor automatically provides information related to the emergency to predetermined emergency services, friends and/or family members according to the detected emergency situation.

[0033] According to an aspect of the invention, the processor processes the received sensor data to obtain biometric data of a user of the communication device, creates the detected social signature from the received sensor data and the obtained biometric data, identifies the user according to the obtained biometric data, and retrieves from the memory the determined one social template having the greatest correspondence to the detected social signature for the identified user.

[0034] According to an aspect of the invention, the sensor set comprises an input device which the user uses to input data, and the processor identifies the user according to a writing pattern of the user while inputting the data.

[0035] According to an aspect of the invention, one of the sensors comprises an optical sensor, and the processor identifies the user according to a pattern recognition unique to the user.

[0036] According to an aspect of the invention, one of the sensors comprises an audio sensor, and the processor identifies the user according to a speech pattern recognition unique to the user.

[0037] According to an aspect of the invention, one of the sensors comprises an input device which the user uses to input data, and the processor detects a status of the communication device according to use or non-use of the input device.

[0038] According to an aspect of the invention, the input device comprises a touch screen display including a capacitive sensor, and the processor detects a status of the communication device according to changes in a capacitance detected by the capacitive sensor.

[0039] According to an aspect of the invention, one of the sensors comprises an Ultra Wideband sensor which provides ranging data regarding the environment, and the processor includes in the social signature a size of the location in which the communication device is found.

[0040] According to an aspect of the invention, a server in communication with a communication device via a network and which automatically provides differing levels of information according to a predetermined social hierarchy includes a memory which stores social templates, each social template corresponding to a unique social signature and being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy; a processor which receives from the communication device sensor data received from a sensor set of the communication device which detects sensor data related to an environment of the communication device, creates a detected social signature from the received sensor data, determines which of the social signatures of the social templates has the greatest correspondence with the created social signature, retrieves from the memory the determined one social template having the greatest correspondence, and provides to at least one member of the predetermined social hierarchy only as much information as allowed under the social hierarchy as defined in the retrieved social template; and a transceiver which receives the sensor data from the sensor set in the communication device, and provides under the control of the processor to at least one of the members of the predetermined social hierarchy only as

much information as allowed under the social hierarchy as defined in the retrieved social template.

[0041] According to an aspect of the invention, the sensor data comprises a location of the communication device, movement of the communication device, and an interaction between the communication device and the environment of the communication device, and the processor compares the location with map data to determine a map location of the communication device, and creates the detected social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and the environment of the communication device.

[0042] According to an aspect of the invention, the levels of the social hierarchy of the retrieved social template include: a first social hierarchy level which provides information including a desired contact state, the map location and the environment, a second social hierarchy level which provides information including the desired contact state and the environment but not the map location, and a third social hierarchy level which provides information on only the desired contact state; and the processor determines a level value of each member by comparing the member with members assigned to having the first social hierarchy level, the second social hierarchy level, and the third social hierarchy level, and provides only as much information as allowed by the determined social hierarchy level.

[0043] According to an aspect of the invention, the sensor data comprises optical information from an optical sensor which detects an amount of light of the environment of the communication device, and acoustic information from an acoustic sensor which detects a sound level of the environment of the communication device.

[0044] According to an aspect of the invention, the processor further detects an error between the detected social signature and the social signature of the determined one social template having the greatest correspondence, updates the social signature of the determined one social template to include the detected error such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate, and creates a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

[0045] According to an aspect of the invention, the processor automatically determines if an incoming communication from a communication requestor being received through the

transceiver is interruptive by, prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template.

[0046] According to an aspect of the invention, for at least one of the social templates, each level of the social hierarchy corresponds to a corresponding different social networking service, and the processor automatically provides different updates to each of the social networking services as allowed under the social hierarchy as defined in the one social template.

[0047] According to an aspect of the invention, one of the social networking services is for professional networking, one of the social networking services is for non-professional networking, and one of the social networking services is a microblogging service.

[0048] According to an aspect of the invention, for at least one of the social templates, there is a single level of social hierarchy for a social networking service, and the processor automatically provides an update to the social networking services.

[0049] According to an aspect of the invention, for at least one of the social templates, there is a single level of social hierarchy for a microblogging service, and the processor automatically provides an update to the microblogging service.

[0050] According to an aspect of the invention, at least one of the social templates corresponds to an emergency update, and when the processor detects an emergency situation from the sensor data, the processor automatically provides information related to the emergency to predetermined emergency services, friends and/or family members according to the detected emergency situation.

[0051] According to an aspect of the invention, the processor processes the received sensor data to obtain biometric data of a user of the communication device, creates the detected social signature from the received sensor data and the obtained biometric data, identifies the user according to the obtained biometric data, and retrieves from the memory the determined one social template having the greatest correspondence to the detected social signature for the identified user.

[0052] According to an aspect of the invention, the sensor set comprises an input device which the user uses to input data, and the processor identifies the user according to a writing pattern of the user while inputting the data.

[0053] According to an aspect of the invention, one of the sensors comprises an optical sensor, and the processor identifies the user according to a pattern recognition unique to the user.

[0054] According to an aspect of the invention, one of the sensors comprises an audio sensor, and the processor identifies the user according to a speech pattern recognition unique to the user.

[0055] According to an aspect of the invention, one of the sensors comprises an input device which the user uses to input data, and the processor detects a status of the communication device according to use or non-use of the input device.

[0056] According to an aspect of the invention, the input device comprises a touch screen display including a capacitive sensor, and the processor detects a status of the communication device according to changes in a capacitance detected by the capacitive sensor.

[0057] According to an aspect of the invention, one of the sensors comprises an Ultra Wideband sensor which provides ranging data regarding the environment, and the processor includes in the social signature a size of the location in which the communication device is found.

[0058] According to an aspect of the invention, a method of automatically providing differing levels of information according to a predetermined social hierarchy includes: constructing a social signature using sensor data sensed by a sensor set in a communication device; determining which one of a plurality of social templates has a social signature with a greatest correspondence with the constructed social signature, each social template corresponding to a unique social signature and being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy; retrieves from a memory the determined one social template having the greatest correspondence; and providing to at least one member of the predetermined social hierarchy only as much information as allowed under the social hierarchy as defined in the retrieved social template.

[0059] According to an aspect of the invention, the sensor data comprises a location of the communication device, a movement of the communication device, and user social statistics indicating an interaction between the communication device and the environment of the communication device, and the constructing the social signature comprises comparing the location with map data to determine a map location of the communication device, and creating

the social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and the environment of the communication device.

[0060] According to an aspect of the invention, the method further includes detecting an error between the constructed social signature and the social signature of the determined one social template having the greatest correspondence; updating the social signature of the determined one social template to include the detected error such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate; and creating a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

[0061] According to an aspect of the invention, the method further includes detecting an incoming communication from a communication requestor; and prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template.

[0062] According to an aspect of the invention, the providing comprises providing an update to a social networking service as allowed under the social hierarchy as defined in the retrieved social template.

[0063] According to an aspect of the invention, the providing comprises providing a different update to another social networking service as allowed under the social hierarchy as defined in the retrieved social template.

[0064] According to an aspect of the invention, the providing comprises providing an update to a microblogging service as allowed under the social hierarchy as defined in the retrieved social template.

[0065] According to an aspect of the invention, the method further includes detecting an emergency situation from the sensor data, wherein the providing comprises automatically providing information related to the emergency to predetermined emergency services, friends and/or family members according to the detected emergency situation using one of the social templates.

[0066] According to an aspect of the invention, the method further includes obtaining biometric data using the sensor data; and identifying a user of the communication device

according to the obtained biometric data, wherein the determining comprises determining the one social template having the greatest correspondence for the identified user.

[0067] According to an aspect of the invention, a computer readable medium is encoded with processing instructions to implement the method executed by one or more processors.

[0068] Additional aspects and/or advantages of the invention will be set forth in part in the description which follows and, in part, will be obvious from the description, or may be learned by practice of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

[0069] These and/or other aspects and advantages of the invention will become apparent and more readily appreciated from the following description of the embodiments, taken in conjunction with the accompanying drawings of which:

FIG. 1 is a block diagram illustrating an electronic device, in accordance with one embodiment of the present invention;

FIG. 2 illustrates a block diagram of a social monitoring system, in accordance with one embodiment of the present invention; and

FIG. 3 illustrates a flow diagram for a method of social monitoring activity sensors in accordance an embodiment of the present invention.

DETAILED DESCRIPTION

[0070] Reference will now be made in detail to the present embodiments of the present invention, examples of which are illustrated in the accompanying drawings, wherein like reference numerals refer to the like elements throughout. The embodiments are described below in order to explain the present invention by referring to the figures.

[0071] Embodiments of the present invention are designed to monitor social activity using multiple sensors. In the embodiment shown in FIG. 1, a mobile device 100 monitors location, acceleration, orientation, audio and optical samples using a set of sensors which provides a set of social statistics. In the shown example, the sensor set includes sensors 110, 120, 130, 140 included in the mobile device 100. A user's activity is classified based on the set of social statistics obtained from the sensors 110, 120, 130, 140 identification of location, acceleration, orientation, audio and optical samples as well as static and/or dynamic classification rules. Examples of user activities include driving, napping, in a meeting, showering, etc. While shown as incorporated into the body of the mobile device 100, it is understood that one or more of the

sensors 110, 120, 130, 140 can be connectable to the mobile device 100 using wired and/or wireless communication, such as where a camera or headset is connected using a Bluetooth connection.

[0072] For instance, a first calculation is made of a user's location and the position of the mobile device 100 using a GPS statistic associated with the user's location detected from the location sensor 110, and local measurements of accelerometers included in the inertial sensor 120. Location information is obtained by the location based sensor 110. In the shown mobile device 100, additional user social statistics sensors are measured using the optical sensor 130 and the acoustic sensor 140, which collect additional information relevant to an interaction between the environment of the mobile device 100 and the mobile device 100.

[0073] While the user social statistics sensors are shown including the sensors 110, 120, 130, 140, it is understood that the user social statistics sensors can include other types of sensors in addition to or instead of one or more of these sensor 110, 120, 130, 140, such as sensors which detect heart rate, ultrasound sensors, infrared sensors, temperature sensors, pressure sensors, magnetic field sensors, proximity sensors, and other environmental sensors which detect a user environment, or combinations thereof.

[0074] While not shown, in other aspects of the invention, the social statistics sensors can include local network/data logging which records the network available through the course of a day. Such logging could include detection of Near Field Communication (NFC), Bluetooth, WiFi or other short range communication networks. In this way, a social signature might become associated with specific mobile devices and networks in particular locations and times in order to help identify that, when these combinations of networks are detected, a particular social template is to be used. For instance, if one of the detected mobile devices corresponds to logging associated with a particular friend, one social template might be chosen in preference to another social template which might be more willing to allow communication if the user is sensed to be alone.

[0075] While not shown, in other aspects of the invention, the social statistics sensors can include sensing a touch screen. The touch screen is a capacitive interface, and therefore if there is no capacitive reading, it might indicate that the mobile device 100 is not exposed or being held (example, in a backpack or drawer). In contrast, if the capacitive reading is low, the level might indicate that the mobile device 100 is in a pocket or being held. Similarly, at other capacitive readings, this would be indicative that the user is actively using the mobile device 100. The level of the capacitive reading would therefore be usable in the social signature in

aspects of the invention.

[0076] In other aspects of the invention, the social statistics can include a biometric based upon a user's use of the mobile device 100. The biometric could be used to identify the user, and thus verify which user is using the mobile device 100. Such biometrics could be obtained from specific sensors, or through combinations of sensors used for other purposes and whose output is further processed. By way of example, the biometric could be based upon an analysis of patterns obtained through the optical sensor 130 and the acoustic sensor 140 as analyzed by the processors 135, 145 and/or the calculating logic 150.

[0077] An example of a biometric is based upon patterns specific to a user's inputting of data. For instance, for a touch screen or a keyboard, people tend to have the same rate of time between certain actions and tend to make the same input errors again and again. Time is the key distinguishing element in this biometric. For instance, when inputting, three different letters (example JIM), the user will type certain words with a proportional time between each key stroke (i.e., J <21ms> I <55ms> M). While the time may vary, the fact that the time between J and I will be roughly half that of the time between I and M will be generally constant for that user. In contrast, a different user will have different timings between each letter pair. However, it is understood that other biometrics could be used, such as user name and passwords, retina and/or fingerprint recognition, facial and motion recognition techniques, voice, hand geometry, and other mechanism by which a particular user is identified based upon that user's characteristics. Such biometrics could be detected using combinations of the sensors 110, 120, 130, 140, or through use of additional sensors. The use of a biometric can be useful in confirming who you are communicating with as the mobile device 100 can be used by multiple users, and therefore would be usable in the social signature in aspects of the invention.

[0078] It is noted that usage of the mobile device 100 can also be used in the social statistic as a form of sensor data. In these instances, the usage could be detected by an element being used acting as a sensor (e.g., the calculating logic 150 performing an operation, a transceiver 170 performing a communication operation, and/or an input device receiving information), and the resulting usage data being included in the sensor data to create a social signature.

[0079] For instance, the usage data can be communications by and programs running on the mobile device 100 and would be sensed by the calculating logic 150, whereby the calculating logic 150 would be a type of sensor for purposes of forming a social signature. As another example, where the mobile device 100 is linked to a Bluetooth headset, this communication status could be detected by a transceiver 170 and/or the calculating logic 150 as a form of

sensor data, and the sensor data could be used in the social statistic. Similarly, where the user is running an email program, a game program, or a media program, this usage data could be detected by the calculating logic 150 as a sensor and the usage data included in the sensor data could be used in the social statistic. Moreover, where a transaction is being processed (such as the purchase of an item) or the user is using an input device (such as a key board, touch screen display, joystick, clickwheel), this usage data may be detected by the calculating logic 150 and/or input device as a sensor and indicate that the user is available for certain types of calls. Thus, the operations of the mobile device 100 itself could furnish information as part of the social statistics.

[0080] A second calculation is made of the user social statistic based on the static and/or dynamic rule set. The final use of the user's social classification statistic is calculated based on the first calculation, the second calculation, and a preset reporting level which offers a specific hierarchical level of social classification based on the caller.

[0081] The mobile device 100 may be a cellular phone, wrist watch, mp3 player, portable media player, personal digital assistant (PDA), mobile game console, laptop computer, or any other device which can support an set of sensors and be carried by a user. In the shown embodiment, the mobile device 100 is a portable electronic device that includes one or more inertial sensors 120, one or more location based sensors 110, one or more audio sensors 140 and one or more optical sensors 130.

[0082] The inertial sensor 120 may measure accelerations along a single axis or multiple axes, and may measure linear as well as rotational (angular) accelerations. In one embodiment, one or more inertial sensors 120 together provide three dimensional acceleration measurement data so as to indicate the instantaneous motion of the mobile device 100, and hence given an indication as to the motion of the user of the mobile device 100. The inertial sensor 120 may generate acceleration measurement data continuously, or at a sampling rate that may be fixed or variable. In one embodiment, the inertial sensor 120 receives a timing signal from a timer (not shown) to take measurements at the sampling rate. The inertial sensor 120 provides the acceleration measurement data and/or movement data to a motion processor 125.

[0083] However, it is understood that the functionality of the inertial sensor 120 can be estimated, such as where the overall motion or movement is detected using differences in location sensed by the location sensor 110. Conversely, where the location is not known due to a lack of a signal to the location sensor 110 or where the location sensor 110 is not included, the inertial sensor 120 can be used to estimate the location of the mobile device 100 relative to a

known starting point. The known starting point can be set by the user, or sensed from a communication from known access points and networks having a known location.

[0084] The acoustic sensor 140 may generate acoustic measurement data continuously, or at a sampling rate that may be fixed or variable. In one embodiment, multiple acoustic sensors are used to filter noise from relevant acoustic signals and preprocessing of the acoustic signal using signal processing techniques can be used to simplify classification calculations. Examples of the acoustic sensor 140 include a microphone or like mechanism which detects acoustics and sounds. The acoustic sensor 140 provides the detected acoustics and sound to an acoustic processor 145.

[0085] The optical sensor 130 may generate simple light level measurement data continuously, or at a sampling rate that may be fixed or variable. The optical sensor 130 provides the light level measurement to an optical processor 135. While not required in all aspects, the optical sensor 130 can be a camera (still or video) as used in mobile phones.

[0086] In one embodiment, the optical sensor 130 includes charged coupling device (CCD) sensors, whereby image data is sampled by the CCD sensors and is used to better classify the social situation and preprocessing of the optical signal using signal processing techniques can be used to simply classification calculations. For instance, if the CCD sensors detect a low level of light, the mobile device 100 can determine that the mobile device 100 is in a dark location (such as in a pocket, in a room with the lights off, or outside during the night). Whereas if the CCD sensors detect the high level of light, this could indicate that the mobile device 100 is in use or is merely exposed in a room with the lights on or is outside during the daytime. While described in terms of the visible light, the optical sensor 330 could also be a type of camera which detects non-visible light spectra, such as infrared or ultraviolet detectors, or other radiation and energy detectors.

[0087] The location based sensor 110 can include a single location based sensor, or multiple location based sensors. Where there are multiple location based sensors, the sensors can be of the same type to provide redundancy, or of multiple different types of location based sensors to provide location information in case one type of signal is not working. The location based sensor 110 provides the location information to a location processor 115.

[0088] In one embodiment, the location based sensor 110 includes a global positioning system (GPS) sensor comprising a GPS antenna and a GPS receiver. The GPS sensor obtains location information from one or more GPS satellites, which are received at the GPS antenna

and processed using the GPS receiver.

[0089] In one embodiment, the location based sensor 110 includes a network localization sensor. A network localization sensor determines a position by receiving signals from multiple sources that have known locations, and calculating the position based on the combined signals using trigonometric relations. The signals used to determine location may be radio frequency (RF) signals formatted according to the Bluetooth protocol, Zigbee protocol, wireless fidelity (WiFi) protocol, global system for mobile communications (GSM) protocol, 3G mobile communications protocol, etc. For example, a first network localization sensor may perform network triangulation using signals received from a mobile phone service provider's cell towers. In another example, a second network localization sensor may perform triangulation using wireless fidelity (WiFi) signals received from multiple nearby WiFi access points (e.g., hotspots).

[0090] In one embodiment, the location based sensor 110 includes a radio frequency identification (RFID) reader that reads transponders (e.g., passive integrated transponders (PITs)). Each transponder may report a specific location. When, for example, a transponder that reports location A is read, the location based sensor knows to a high degree of certainty that the electronic device is at location A.

[0091] Alternatively, the location based sensor 110 may itself include a PIT that is read by an RFID reader at a known location. Upon the PIT being read by a particular RFID reader having a known location, the location based sensor may learn its current location.

[0092] As noted above, the location based sensor 110 can comprise a system of multiple location based sensors which may be used separately or together. When used separately, each location based sensor may independently determine a location of the electronic device, and report the location to the location processor 115. When used together, the capabilities of one location based sensor 110 can be used to augment the capabilities of another location based sensor. Examples of such cooperative use of location based sensors include assisted GPS and enhanced GPS, in which location data reported by a network localization sensor is used to augment a GPS sensor and to reduce the time and processing effort needed to quickly identify a location. A single location may then be reported to the location processor 115.

[0093] The location based sensor 110 may generate location information continuously, or at a sampling rate that may be fixed or variable. In one embodiment, the location based sensor 110 receives a timing signal from a timer (not shown) to take measurements at the sampling rate. The location based sensor 110 may obtain location measurements at a sampling rate that is the

same as or different from the sampling rate at which the inertial sensor 120 collects acceleration measurement data. In this manner, the mobile device 100 can collect instantaneous accelerations from the acceleration measurement data measured by the inertial sensor 120, as well as long term accelerations using the differences in the location measurements measured by the location based sensor 110.

[0094] The location based sensor 110 (or location based sensors) can report a position of the electronic device 100 as a latitude and longitude, and may report a horizontal accuracy. In one embodiment, the horizontal accuracy of the location is reported as a confidence radius. For example, a location may be reported with a horizontal accuracy of 3m, meaning that the reported location is accurate within a circle having a 3 m radius. Accuracy of the location may vary from about 1 m to about 100 m for location data obtained by a GPS sensor, depending on user location (e.g., in a city, under open sky, under a tree, in a building, etc.). The location information may further include an altitude, and may include a vertical accuracy. The location information may also include a time that the location was recorded.

[0095] In one embodiment, the inertial sensor 120 is coupled to the motion processor 125. The motion processor 125 processes acceleration measurement data received from the inertial sensor 120 to provide data used to provide a social signature of the user and/or as a biometric. For instance, specific patterns of acceleration might indicate specific activities (sleeping versus running versus walking), and the rhythm of such movement could also indicate the user to the extent the user's accelerations provide a unique pattern.

[0096] In a one embodiment, the location sensor 110 is coupled to a mapping processor included in the location processor 115. The mapping processor processes location measurement data received from the location sensor 110 to provide data used to identify a social classification of a person to whom communication is desired. For instance, in an aspect of the invention, the mapping processor can compare the sensed location with known locations in the user's address book or contact list to determine the location (i.e., at home, at a dentist office, at work). Additionally, in other aspects, the mapping processor can compare the sensed location with a map stored in the mobile device 100 or retrieved from a query to an internet service such as MapQuest or Google maps, and determine the location as being a restaurant, store, office or other like location according to such publicly available information.

[0097] In other aspects of the invention, the social statistics sensors can include an Ultra Wideband sensor which can provide ranging data, such as occurs with radar. In this manner, the ranging data could provide a 3D image of the room in which the mobile device 100 is

located, and/or provide simple room size and obstacle location measurements. The use of the ranging data would be usable in the social signature in aspects of the invention. By way of example, the ranging data could be usable in the social signature when combined with the map location detected from the mapping processor the location on a map, thereby allowing a social template to be constructed to provide information based both upon map location and a location relative to walls of a specific room in that location.

[0098] In one embodiment, the acoustic sensor 140 is coupled to an acoustic signal processor included in the acoustic processor 145. The acoustic signal processor processes acoustic samples of data received from the acoustic sensor 140 to provide data used to identify a social classification of a person to whom communication is desired.

[0099] In one embodiment, the optical sensor 130 is coupled to an optical signal processor included in the optical processor 135. The optical signal processor processes optical samples of data received from the optical sensor 130 to provide data used to identify a social classification of a person to whom communication is desired.

[00100] In one embodiment, a combination of any inertial sensor 120 coupled to the motion processor, the location sensor 110 coupled to the mapping processor, the acoustic sensor 140 coupled to the acoustic signal processor and/or the optical sensor 130 coupled to the optical signal processor is used to provide data used to identify a social classification of a person to whom communication is desired.

[00101] In one embodiment, a combination of any inertial sensor data, location sensor data, acoustic sensor data and/or an optical sensor data is formatted for processing at a location other than the mobile device 110 and subsequently used to identify a social classification of a person to whom communication is desired. In this manner, the mobile device 110 needs to devote less processing time and energy to perform such social classification and relies upon an outside computational device to provide such functionality.

[00102] In the shown embodiment, the social classification is performed in the mobile device 100. Specifically, a calculating logic 150 receives the processed data from the location processor 115, the motion processor 125, the optical processor 135, and the acoustic processor 145, and compares the processed data with social templates 165 stored in a memory 160 included in the mobile device 100. The memory 160 can be removable or permanently installed in the mobile device 100. The calculating logic 150 provides the result of the comparison to a requesting caller using a transceiver 170 via a network according to a hierarchical social

classification. While shown as included in the device 100, it is understood that the transceiver 170 can be removable from the device 100.

[00103] Examples of hierarchical social classification that can be identified include high level available, busy, do not disturb. Under each of these broad classifications can be more accurate classifications which are potentially available to a more select social group. Under the hierarchical tree, do not disturb can be classifications such as at the dentist, sleeping or with a customer. While a user may choose to still advance the call they will do so being able to socially weigh the urgency of the communication with the social classification of the person being contacted. Each set of hierarchical social classifications is stored in a separate social template.

[00104] The calculating logic 150 can further use the data from the processors 115, 125, 135, 145 to classify a current user's activity from a plurality of predefined identifiable user activities as well as trained user activities. In one embodiment, the calculating logic 150 identifies a user's social activity by monitoring for different social signatures, and applies a corresponding social template to determine how to treat an incoming communication request.

[00105] In one embodiment, when enough events indicative of a particular user social activity are detected, the calculating logic 150 identifies the activity as being performed by the user. In one embodiment, events may include positive events (ones that must be met to classify a social state in a certain way) and negative events (ones that indicate that a social state cannot be classified certain way). For instance, where a user is classified as entering a coffee shop at 7:32am which is his normal routine, the classification can be made that he is on his way to work and has a 97% probability of arriving on time at 8:02am according to the corresponding social template. However, in this instance, he orders two coffees and arrives at work at 8:20. This deviation is a negative event from the classification of the coffee ordering time to the arrival at work, and a positive event from the classification of the number of coffees ordered as well as time to the user's arrival time at work.

[00106] Once the system has identified a user activity, the system may apply a set of motion criteria specific to the identified social state to estimate one or more user social statistics (e.g., to detect intrusiveness of a communication request). Social state criteria may include thresholds, comparison requirements, action windows, etc. For instance, in relation to the coffee shop example above, the comparison may be looking at the purchase amount, audio input and physical location in comparison to typical actions to say socially that the user is having a tall, soy latte with a friend at the coffee shop. This may however not be what is reported to everyone depending on the social template. Thus, the social template may allow specific friends to know

that he is drinking coffee at the coffee shop, may allow his co-workers to know that he is in a personal meeting, and only allow the rest of the world to know that he is busy and should not be disturbed. These would be examples of social network grouping where a single event would be reported in multiple ways based on where the requestor fit in this user's social network. So certain social states may cross a threshold of what should be reported to which groups, a comparison of data previously shared versus currently available to be shared may be used, and specific action windows can be used to allow the user to share data after the event so that nothing is provided without knowledge and this becomes the basis of further training.

[00107] Each social signature is indicative of a different type of activity. Events occur when certain motion, location, acoustic and optical criteria are satisfied. For instance, when a location signature has moved to a known room in a house such as a home nursery, the motion signature is static, the optical information indicates a dim room and the acoustic information indicates rhythmic breathing, the social signature is that of the mobile phone user and baby napping. From the identified social signature, the calculating logic 150 selects the social template to select how much information is provided to a category of communicant hoping to access the mobile phone user. The social template would then be programmed to reduce the information to be transmitted based upon user-defined relationships and levels of access.

[00108] For instance, where the social signature is that of the mobile phone user and baby napping, the social template is for do-not-disturb-due-to-Mother-and-baby-sleeping as set forth in Tables 1 and 2.

Table 1: do-not-disturb-due-to-Mother-and-baby-sleeping social signature

Sensor	Value range
Location	39.78° N, 104.88° W ± 5 m
Inertial	0 m/s ² ± .2 m/s ²
Optical	223 lm ± 15 lm
Acoustic	-63 db ± 5 db

Table 2: do-not-disturb-due-to-Mother-and-baby-sleeping social hierarchy

Social Hierarchy	Information
First Social Hierarchy Level – Father	Provide information on location, duration of state, and estimate of baby sleep time
Second Social Hierarchy Level - Friend	Provide information on baby sleeping
Third Social Hierarchy Level - School, Work	Do not disturb except in emergency
Fourth Social Hierarchy Level - Strangers	Do not disturb

[00109] In this example, assuming that the location sensor 110 senses the location is at 39.78° N, 104.88° W, the inertial sensor 120 senses no acceleration, the optical sensor 130 senses a light value of 223 lm, and the acoustic sensor 140 senses a sound level of -63 db, the calculating logic 150 compares the detected social signature with the social signature of the social templates 165 included in the memory 160, and selects the social template for do-not-disturb-due-to-Mother-and-baby-sleeping as being the closest match to the detected social signature. The selected social signature is then applied against requests for communication either using the calculating logic 150 within the mobile device, or on a server through which such communication must be routed.

[00110] Assuming the communication is from the Father, the social template is programmed to give the Father the First Social Hierarchy Level, and allow the Father to know that the mobile device 100 of the Mother is with the baby, the location, for how long, and who is napping (both

Mother and Baby or Baby only). In this way, the social template provides a high level of information to the Father so that the Father can make an informed choice about whether to place the call, or to instead send an email or text.

[00111] Assuming the communication is from the neighbor, the social signature is programmed to give the neighbor a Second Social Hierarchy Level and less information is to be provided. In this case, the social template only indicates that the Baby is sleeping, so that the neighbor or friend can make an informed choice about whether to place the call, or to instead send an email or text, but without being given as much detail as to the location and duration of the social signature.

[00112] Assuming the communication is from the office, the social signature is programmed to give the office the Third Social Hierarchy Level and even less information is to be provided but with specific information about when the call would be welcomed. In this case, the social template only indicates that the mobile phone user does not want to be disturbed, except in an emergency. Thus, when an emergency call is to be made from the school or office, the caller will know that the mobile phone user is available and welcomes such calls. Alternately, where there is no emergency, the caller can make an informed choice about whether to place the call, or to instead send an email or text, but without being given any detail beyond being told to only call in limited circumstance. Thus, an employee would know that the employer would not welcome a routine call, but would be available should an emergency arise.

[00113] Assuming the communication is from the stranger, the social signature is programmed to give the stranger the Fourth Social Hierarchy Level and indicate only that the caller is not to be disturbed. While not required in all aspects, the social template could direct any such calls straight into a voice mail to block reception entirely.

[00114] However, it is understood that the social hierarchy level could be changed for each social template. For instance, assuming that the Mother is accorded the First Social Hierarchy Level in most social templates, there may be times when the Father does not want the location information to be provided. For instance, assuming the Father is purchasing a gift, the social template could be created to not provide the location information to the Mother (either specifically or to all First Social Hierarchy Level members) in certain locations, and thus create exceptions to the level of information provided in the same or other social templates. Thus, while categories of social hierarchy levels can be established, exceptions can be programmed according to the needs of the end user.

[00115] As such, each social template can be set up with varying levels of granularity in so far as who is given which information about the user of the mobile device 100 prior to the call being placed. However, in order to ensure that the social template is accurate, the mobile device 100 includes a social training program 167 stored within the memory 160. Using the social training program 167, the user can save particular sets of social signature as new social templates, or increase the accuracy of an existing social template using the social signature. While described in terms of four social hierarchy levels, it is understood that additional or fewer levels can be provided, depending on the social template or through user training as will be described below.

[00116] Using the above example in relation to the Mother and the Baby, in order to set up the social template in the first instance, the Mother would activate the social training program 167 while in the nursery with the Baby, and the social signature would be associated with that particular social template. Specifically, the data sensed by the location sensor 110, the inertial sensor 120, the optical sensor 130, and the acoustic sensor 140 would be correlated with the new social template, and the Mother would then enter the degrees of information to be provided to various categories of potential callers (i.e., Father, Friend, Neighbor, Office, School, Stranger etc.). Subsequently, should a caller be given the wrong amounts of information, the Mother could again activate the social training program 167 to improve the social signatures recognized by the social template. In this manner, each social template could be associated with more than one set of social signatures so as to allow for variations from the original detected social signature and to improve the functionality of the mobile device 100.

[00117] Once the mobile device 100 assigns the social template associated with the current social signature, the assigned social template is sent to an external server within the mobile network of the caller. As such, when the caller attempts to contact the mobile device 100, the caller is given the information according to the hierarchical social classifications prior to contacting the mobile device 100.

[00118] Additionally, the mobile device 100 consistently monitors for a change in the social signature, such as where the mobile device 100 changes location or detects a change in the optical or acoustic levels. At this point, the mobile device 100 will determine whether the social signature indicates a change in the currently assigned social template, or whether another social template is to be assigned. Using the above example, where the social signature indicates that the baby is now awake and crying, the social template would be changed to allow information on the new status of the baby, but likely maintain a do-not-disturb social template.

[00119] While described in the context of the mobile device 100 having the social templates

and social training performed internally, in another embodiment of the invention shown in FIG. 2, the social templates and social training is performed externally. As shown, a mobile device 200 monitors location, acceleration, orientation, audio and optical samples using a location sensor and processor 210, a motion sensor and processor 220, an optical sensor and processor 230, and an acoustic sensor and processor 240 included in the mobile device 200. The location sensor and processor 210 performs generally the same function as the location sensor 110 and location processor 115 of FIG. 1, the motion sensor and processor 220 performs generally the same function as the inertial sensor 120 and motion processor 125 of FIG. 1, the optical sensor and processor 230 performs generally the same function as the optical sensor 130 and optical processor 135 of FIG. 1, and the acoustic sensor and processor 240 performs generally the same function as the acoustic sensor 140 and acoustic processor 145 of FIG. 1. A calculating logic 250 receives the processed data from the location sensor and processor 210, the motion sensor and processor 220, the optical sensor and processor 230, and the acoustic sensor and processor 240, and transmits the processed data to a server 270 using a transceiver 280 via a network 260.

[00120] While not required in all aspects, the network 260 can be a wireless communication network such as a CDMA, GSM, or like mobile communication protocols.

[00121] The processed data received at the server 270 is compared with social templates stored in a memory included in a remote calculating logic 275 of the server 270. The remote calculating logic 275 provides the result of the comparison to a requesting caller via the network 260 according to a hierarchical social classification. In this manner, the assignment and training of the social templates according to social signatures is performed externally at the server 270 instead of within the mobile device 200. The assigned social template is maintained in a server (such as the server 270) through which the caller must access to reach the mobile device 200. As such, when the caller attempts to contact the mobile device 200, the caller is given the information according to the hierarchical social classifications prior to contacting the mobile device 200.

[00122] However, it is understood that, while shown as lacking the capability of providing the hierarchical social classification within the mobile device 200, the mobile device 200 could also have this capability locally within the mobile device 200 so as to have an internal and external capability of selectively providing information according to the hierarchical social classification incorporated in the social templates.

[00123] FIG. 3 illustrates a flow diagram for a method of social monitoring using sensors in

accordance an embodiment of the present invention. In operation 300, the sensor data is sampled by the calculating logic 150, 250. In the embodiments of FIGs. 1 and 2, calculating logic 150, 250 detects the data from the location processor 115, 210, the motion processor 125, 220, the optical processor 135, 230, and the acoustic processor 145, 240. The sampling can be performed at preset intervals, or continuously.

[00124] In operation 305, the data samples detected by the calculating logic 150, 250 are formatted into social signatures for use in matching against social templates. In operation 310, where the mobile device is not performing a comparison of the social signatures with social templates, such as in the embodiment shown in FIG. 2, the calculating logic 250 sends the formatted data to the server 270 across the network 260. However, it is understood that operation 310 need not be performed in all aspects of the invention, such as where the mobile device 100 of FIG. 1 is being used.

[00125] In operation 315, the formatted data is compared to the social templates. In operation 320, the calculating logic 150 or the remote calculating logic 275 makes an a priori classification assigning one of the social templates to the formatted data. This a priori classification is based upon a closest match between the social signature in the formatted data and the social signature or signatures associated with each social template.

[00126] The calculating logic 150 or the remote calculating logic 275 detects a classification error in operation 325. Since the social signature in the formatted data and the social signature or signatures associated with each social template may not exactly match, this difference is a classification error. Conversely, where there is an exact match, there is no classification error.

[00127] By way of example, assuming the mobile device user is at a movie, the location sensor 110 detects the location as that of the movie theatre, and the inertial sensor 120 indicates no movement. Further, the mobile device 100 might include a near field communication (NFC) device which detects that the mobile device 100 was used to purchase a ticket to a movie, and the movie start time. The mobile device 100 might also include a clock which detects that the start time has passed, but the optical sensor 130 determines that the movie theater lights are bright. In contrast, for the social signature of a social template for watching a movie, the optical sensor could be for a low light, but also include the movie theater location, no acceleration, time being after the start time, and the ticket data from the NFC device. In this instance, the social signature in the formatted data would include a number of matching elements (i.e., location, acceleration, time, and NFC data) which are consistent with the social signature of a social template for watching a movie, but the error would exist in

relation to the optical data. Thus, in operation 320, the a priori classification would be the social template for watching the movie, and the classification error in operation 325 would be in relation to the optical data being high as opposed to low.

[00128] Where there is a classification error, a training update can be optionally performed in operation 330. If the training update is to be performed, the classification error weighting is updated or the social signature is matched to a new social template created by the user in operation 335. According to an aspect of the invention, where there is the classification error such that the training update is needed, the user might be prompted to confirm that the a priori classification is accurate. If the a priori classification is accurate, the classification error weights are updated in operation 335 for that particular social template to ensure that the social signature in the formatted data is recognized in the future as belonging to the same social template. In contrast, where the a priori classification is not accurate, a new social template can be created. In this manner, the social templates are constantly refined. The updated classification error weighting and/or template from operation 335 is stored in the memory 160 or in the server 270.

[00129] Using the above example in relation to the social template for watching a movie, the same social template for watching a movie could have an updated error weighting in relation to the relative importance of the lighting, and thus would be associated with more social signatures. In contrast, the user might create a new social template, such as a social template for waiting to watch a movie in which the user would allow more communication.

[00130] While not required in all aspects, such updated error weights and new social templates could be generated solely in relation to the user of the mobile device 100, 200, or could also be shared from other mobile devices. In this manner, the social templates could be unique to the user, or be refined through the collective experience of any number of other user experiences.

[00131] While not required in all aspects, the training and updating in operations 330, 335 could be performed using Fuzzy Adaptive Resonance, Learning Vector Quantization, or other techniques whereby a computational device learns from detected errors in order to improve future reactions to like sensor inputs.

[00132] Where there is no training to be performed (such as where there is no classification error or where the classification error is de minimus), the calculating logic 150 or the remote calculating logic 275 detects whether there has been a communication request to the mobile

device 100, 200 in operation 340. Where there is no communication request, the process returns to operation 300 to determine if the social signature has changed.

[00133] Where there is a communication request, the calculating logic 150 or the remote calculating logic 275 compares the requestor with the access level assigned to the requestor contained in the selected social template in operation 345. In operation 350, the information level assigned to the requestor is provided to the requestor prior to communication being completed in order for the requestor to determine, based upon the information provided, whether the communication should be completed or whether the mobile device user would not appreciate the call. After reporting the information, the process returns to operation 300 to determine if the social signature has changed.

[00134] While described in the context of voice communications, it is understood that the social templates could also be used to prevent other forms of communication, such as text messages, facebook updates, emails, instant messages, or other like communications which can be distracting to a user of a mobile device. By way of example, the detected social signature might correspond to a user driving a car with a Bluetooth headset. In this case the social template might provide information to the sender that the user is driving and is not available to read the text message, but should instead be contacted using a voice communication.

[00135] Moreover, it is understood that aspects of the invention do not require a communication request to provide the differing levels of information such that operation 340 is optional. By way of example, in aspects of the invention, the social template might be to log in and send or update specific information to one or more social networking services and/or microblogs. The social template could specify the type of information to be provided, as well as any necessary log in and username information needed to authorize the social networking services and/or microblogs to receive such updates. While not required in all aspects, a detected biometric would be useful in ensuring that the proper account is accessed.

[00136] In this manner, the device 100, 200 could chronicle a user's status, and could provide different updates to different social networking services. For instance, a user in a coffee shop might want to update their social networking site (such as FACEBOOK) to indicate to users that they are at the coffee shop. Where the user has more than one social networking site, the user might not want this information on a profession networking site (such as LINKED-IN). Conversely, where the user is in a work related activity, such as at a conference, the social template could be configured to provide the same or different updates on the social and

professional networking sites. A similar chronicle of the user's status could be provided on TWITTER or other microblog site. In this way, the device 100, 200 would be able to provide constant feeds and updates to automatically enliven a user's social and professional networking site(s) and/or issue microblogs such as tweets according to a status sensed from the various device sensors 110, 120, 130, 140.

[00137] In aspects of the invention, even where a user does not have a social networking service and/or microblog set up, the social template could be configured to provide specific information using text, email and/or voice messaging. By way of example, the social template could be designated for emergency situations, and automatically provide information to the police, fire department, family and/or friends. Such communication could be through text messages, emails, computer read messages sent to a voice line, and, where social networking service and/or microblog are set up, through networking service and microblog updates. In this way, the device 100, 200 would be able to summon help in an emergency situation according to a status sensed from the various device sensors 110, 120, 130, 140.

[00138] By way of example, the device sensors 110, 120, 130, 140 could detect a sharp audio sound and a sudden deceleration, and the calculating logic 150, 275 could detect the social signature as being for a car crash. From the social signature for the car crash, the calculating logic 150, 275 would select a social template which provides information on the time since impact and location of impact to the police and ambulance services, as well as providing an alert to family and/or friends.

[00139] By way of another example, the device sensors 110, 120, 130, 140 could detect heat and an optical/acoustic signature consistent with a fire, and the calculating logic 150, 275 could detect the social signature as being for a fire. From the social signature for the fire, the calculating logic 150, 275 would select a social template which provides information on the likelihood of a fire, and location of fire to the police and fire department, as well as providing an alert to family and/or friends.

[00140] By way of a further example, the device sensors 110, 120, 130, 140 could detect a sudden change in breathing signatures as well as a change in a user's pulse indicative of a heart attack, and the calculating logic 150, 275 could detect the social signature as being for a medical emergency. From the social signature for the medical emergency, the calculating logic 150, 275 would select a social template which provides information on the type of medical emergency, and a location of the medical emergency to emergency services and/or the fire department, as well as providing an alert to family and/or friends.

[00141] While described in terms of a mobile device, it is understood that aspects of the invention need not be limited to a device that can be carried by a user. For instance, the device could be mounted to a moving vehicle and thus not be carried by a user. Further, aspects need not be used in a device which is mobile, such as where the device is in a room and observes sensor inputs which change as in a security system or other system which utilizes sensors.

[00142] It will be appreciated by those of ordinary skill in the art that any configuration of the system may be used for various purposes according to the particular implementation. The control logic or software implementing the present invention can be stored in main memory, mass storage device, or other storage medium locally or remotely accessible to processor.

[00143] It will be apparent to those of ordinary skill in the art that the system, method, and process described herein can be implemented as software stored in main memory or read only memory and executed by processor. This control logic or software may also be resident on an article of manufacture comprising a computer readable medium having computer readable program code embodied therein and being readable by the mass storage device and for causing the processor to operate in accordance with the methods and teachings herein.

[00144] The present invention may also be embodied in a handheld or portable device containing a subset of the computer hardware components described above. For example, the handheld device may be configured to contain only the bus, the processor and memory. The handheld device may also be configured to include a set of buttons or input signaling components with which a user may select from a set of available options. The handheld device may also be configured to include an output apparatus such as a liquid crystal display (LCD) or display element matrix for displaying information to a user of the handheld device. Conventional methods may be used to implement such a handheld device. The implementation of the present invention for such a device would be apparent to one of ordinary skill in the art given the disclosure of the present invention as provided herein.

[00145] The present invention may also be embodied in a special purpose appliance including a subset of the computer hardware components described above. For example, the appliance may include a processor, a data storage device, a bus, and memory, and only rudimentary communications mechanisms, such as a small touch-screen that permits the user to communicate in a basic manner with the device. In general, the more special-purpose the device is, the fewer of the elements need be present for the device to function. In some devices, communications with the user may be through a touch-based screen, or similar mechanism.

[00146] It will be appreciated by those of ordinary skill in the art that any configuration of the system may be used for various purposes according to the particular implementation. The control logic or software implementing the present invention can be stored on any machine-readable medium locally or remotely accessible to processor. A machine-readable medium includes any mechanism for storing or transmitting information in a form readable by a machine (e.g. a computer). For example, a machine readable medium includes read-only memory (ROM), random access memory (RAM), magnetic disk storage media, optical storage media, flash memory devices, electrical, optical, acoustical or other forms of propagated signals (e.g. carrier waves, infrared signals, digital signals, etc.).

[00147] The detailed description of embodiments of the invention makes reference to the accompanying drawings in which like references indicate similar elements, showing by way of illustration specific embodiments of practicing the invention. Description of these embodiments is in sufficient detail to enable those skilled in the art to practice the invention. One skilled in the art understands that other embodiments may be utilized and that logical, mechanical, electrical, functional and other changes may be made without departing from the scope of the present invention. The following detailed description is, therefore, not to be taken in a limiting sense, and the scope of the present invention is defined only by the appended claims.

[00148] In the foregoing specification, the invention has been described with reference to specific exemplary embodiments thereof. It will, however, be evident that various modifications and changes may be made thereto without departing from the broader spirit and scope of the invention as set forth in the appended claims. The specification and drawings are, accordingly, to be regarded in an illustrative rather than a restrictive sense.

[00149] Although a few embodiments of the present invention have been shown and described, it would be appreciated by those skilled in the art that changes may be made in this embodiment without departing from the principles and spirit of the invention, the scope of which is defined in the claims and their equivalents.

CLAIMS

What is claimed is:

1. A server in communication with a communication device via a network and which automatically provides differing levels of information according to a predetermined social hierarchy, the server comprising:

a memory which stores social templates, each social template corresponding to a unique social signature and being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy;

a processor which receives from the communication device sensor data received from a sensor set of the communication device which detects sensor data related to an environment of the communication device, creates a detected social signature from the received sensor data, determines which of the social signatures of the social templates has a greatest correspondence with the created social signature, retrieves from the memory the determined one social template having the greatest correspondence, and provides to at least one member of the predetermined social hierarchy only as much information as allowed under the social hierarchy as defined in the retrieved social template; and

a transceiver which receives the sensor data from the sensor set in the communication device, and provides under the control of the processor to at least one of the member of the predetermined social hierarchy only as much information as allowed under the social hierarchy as defined in the retrieved social template.

2. The server of claim 1, wherein:

the sensor data comprises a location of the communication device, and movement of the communication device, and

the processor compares the location with map data to determine a map location of the communication device, and creates the detected social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and the environment of the communication device.

3. The server of claim 1, wherein:

the levels of the social hierarchy of the retrieved social template include:

a first social hierarchy level which provides one level of information as selected in

the retrieved social template,

a second social hierarchy level which provides another level information as selected in the retrieved social template, and

a third social hierarchy level which provides a further information as selected in the retrieved social template; and

the processor determines a level value of each member by comparing the member with members assigned to having the first social hierarchy level, the second social hierarchy level, and the third social hierarchy level, and provides only as much information as allowed by the determined social hierarchy level.

4. The server of claim 1, wherein the sensor data comprises optical information from an optical sensor of the sensor set which detects an amount of light of the environment of the communication device, and acoustic information from an acoustic sensor of the sensor set which detects a sound level of the environment of the communication device.

5. The server of claim 1, wherein the processor further detects an error between the detected social signature and the social signature of the determined one social template having the greatest correspondence, updates the social signature of the determined one social template to include the detected error such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate, and creates a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

6. The server of claim 1, wherein the processor automatically determines if an incoming communication from a communication requestor being received through the transceiver is interruptive by, prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template.

7. The server of claim 1, wherein, for at least one of the social templates, each level of the social hierarchy corresponds to a corresponding different social networking service, and the processor automatically provides different updates to each of the social networking services

as allowed under the social hierarchy as defined in the one social template.

8. The server of claim 7, wherein:
one of the social networking services is for professional networking,
one of the social networking services is for non-professional networking, and
one of the social networking services is a microblogging service.

9. The server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a social networking service, and the processor automatically provides an update to the social networking service.

10. The server of claim 1, wherein, for at least one of the social templates, there is a single level of social hierarchy for a microblogging service, and the processor automatically provides an update to the microblogging service.

11. The server of claim 1, wherein, at least one of the social templates corresponds to an emergency, and when the processor detects an emergency situation from the detected social signature, the processor automatically provides information related to the emergency to predetermined emergency services, friends and/or family members according to the detected emergency situation.

12. The server of claim 1, wherein the processor processes the received sensor data to obtain biometric data of a user of the communication device, creates the detected social signature from the received sensor data and the obtained biometric data, identifies the user according to the obtained biometric data, and retrieves from the memory the determined one social template having the greatest correspondence to the detected social signature for the identified user.

13. The server of claim 12, wherein the sensor set comprises an input device of which the user uses to input data, and the processor identifies the user according to a writing pattern of the user while inputting the data.

14. The server of claim 12, wherein the sensor set comprises an optical sensor, and the processor identifies the user according to an optical pattern unique to the user and which is

detected using the optical sensor.

15. The server of claim 12, wherein the sensor set comprises an audio sensor, and the processor identifies the user according to a speech pattern unique to the user and which is detected using the audio sensor.

16. The server of claim 1, wherein the sensor set comprises an input device which the user uses to input data, and the processor detects a status of the communication device according to use or non-use of the input device.

17. The server of claim 16, wherein the input device comprises a touch screen display including a capacitive sensor, and the processor detects a status of the communication device according to changes in a capacitance detected by the capacitive sensor.

18. The server of claim 1, wherein the sensor set comprises an Ultra Wideband sensor which provides ranging data regarding the environment of the communication device, and the processor includes in the social signature a size of the location in which the communication device is found using the provided ranging data.

19. The server of claim 1, wherein the sensor data comprises usage data relating to a use of the communication device.

20. A method of automatically providing differing levels of information according to a predetermined social hierarchy within a server, the method comprising:

constructing a social signature within the server using sensor data sensed by a sensor set in a communication device external to the server;

determining within the server which one of a plurality of social templates has a social signature with a greatest correspondence with the constructed social signature, each social template corresponding to a unique social signature and being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy; and

retrieving from a memory of the server the determined one social template having the greatest correspondence, wherein only as much information as allowed under the social hierarchy as defined in the retrieved social template is provided to at least one member of the

predetermined social hierarchy.

21. The method of claim 20, wherein:

the sensor data comprises a location of the communication device, and movement of the communication device, and

the constructing the social signature comprises comparing the location with map data to determine a map location of the communication device, and creating the social signature to include information on the map location of the communication device, the movement being experienced by the communication device, and an environment of the communication device.

22. The method of claim 20, further comprising:

detecting an error between the constructed social signature and the social signature of the determined one social template having the greatest correspondence;

updating the social signature of the determined one social template to include the detected error such that the social signature of the determined one social template incorporates the detected social signature where it is determined that the determined one social template is accurate; and

creating a new social template using the detected social signature where it is determined that the determined one social template is not accurate.

23. The method of claim 20, further comprising:

detecting an incoming communication from a communication requestor; and

prior to completing the communication, assigning the communication requestor to one of the levels of the social hierarchy, and providing to the communication requestor only as much information as allowed under the social hierarchy as defined in the retrieved social template.

24. The method of claim 20, wherein the information to be provided comprises an update to a social networking service as allowed under the social hierarchy as defined in the retrieved social template.

25. The method of claim 24, wherein the information to be provided further comprises a different update to another social networking service as allowed under the social hierarchy as defined in the retrieved social template.

26. The method of claim 20, wherein the information to be provided comprises an update to a microblogging service as allowed under the social hierarchy as defined in the retrieved social template.

27. The method of claim 20, further comprising detecting an emergency from the constructed social signature, wherein the information to be provided comprises information related to the emergency which is to be selectively provided to predetermined emergency services, friends and/or family members according to the detected emergency situation using one of the social templates.

28. The method of claim 20, further comprising:
obtaining biometric data using the sensor data; and
identifying a user of the communication device according to the obtained biometric data, wherein the determining comprises determining the one social template having the greatest correspondence for the identified user.

29. The method of claim 20, wherein the sensor data comprises usage data relating to a use of the communication device.

30. A computer readable medium encoded with processing instructions to implement the method of claim 29 executed by one or more processors.

ABSTRACT

A device to automatically provide differing information levels according to a predetermined social hierarchy includes a memory and a processor. The memory stores social templates corresponding to unique social signatures and being selectable to provide, for each level of the predetermined social hierarchy, a corresponding differing amount of information to each member of the predetermined social hierarchy and/or a social networking service. The processor receives sensor data from a sensor set which detects sensor data related to an environment of a communication device, creates a detected social signature from the received sensor data, determines which of the social signatures of the social templates has the greatest correspondence with the created social signature, retrieves from the memory the determined one social template having the greatest correspondence, and provides only as much information as allowed in the retrieved social template.

FIG. 1

100

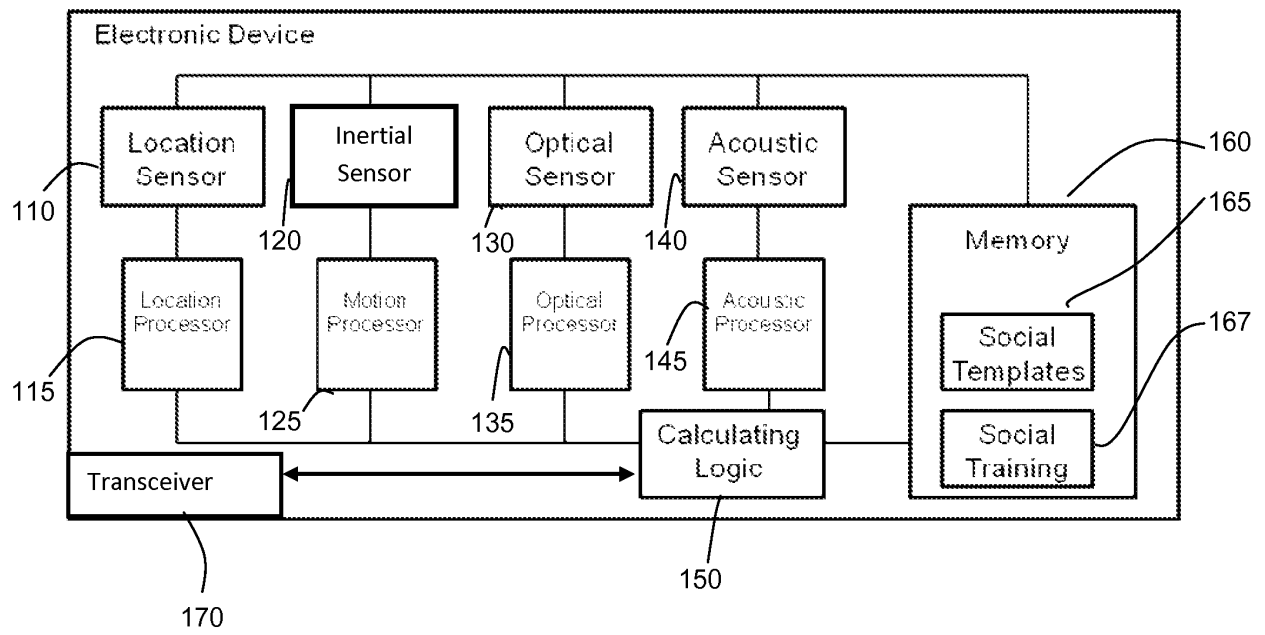


FIG. 2

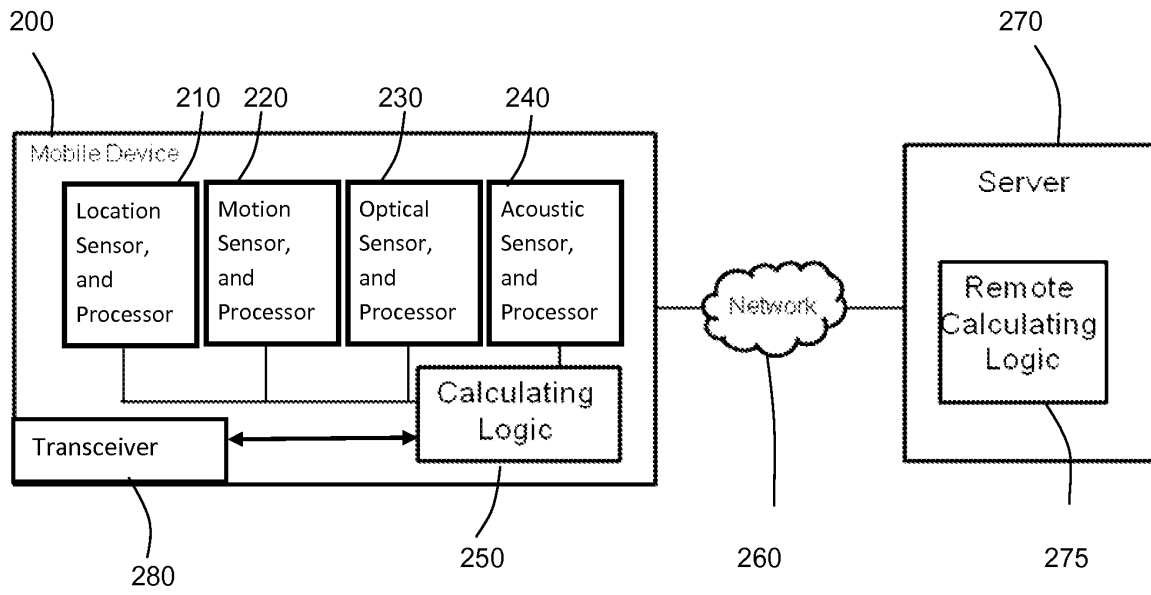
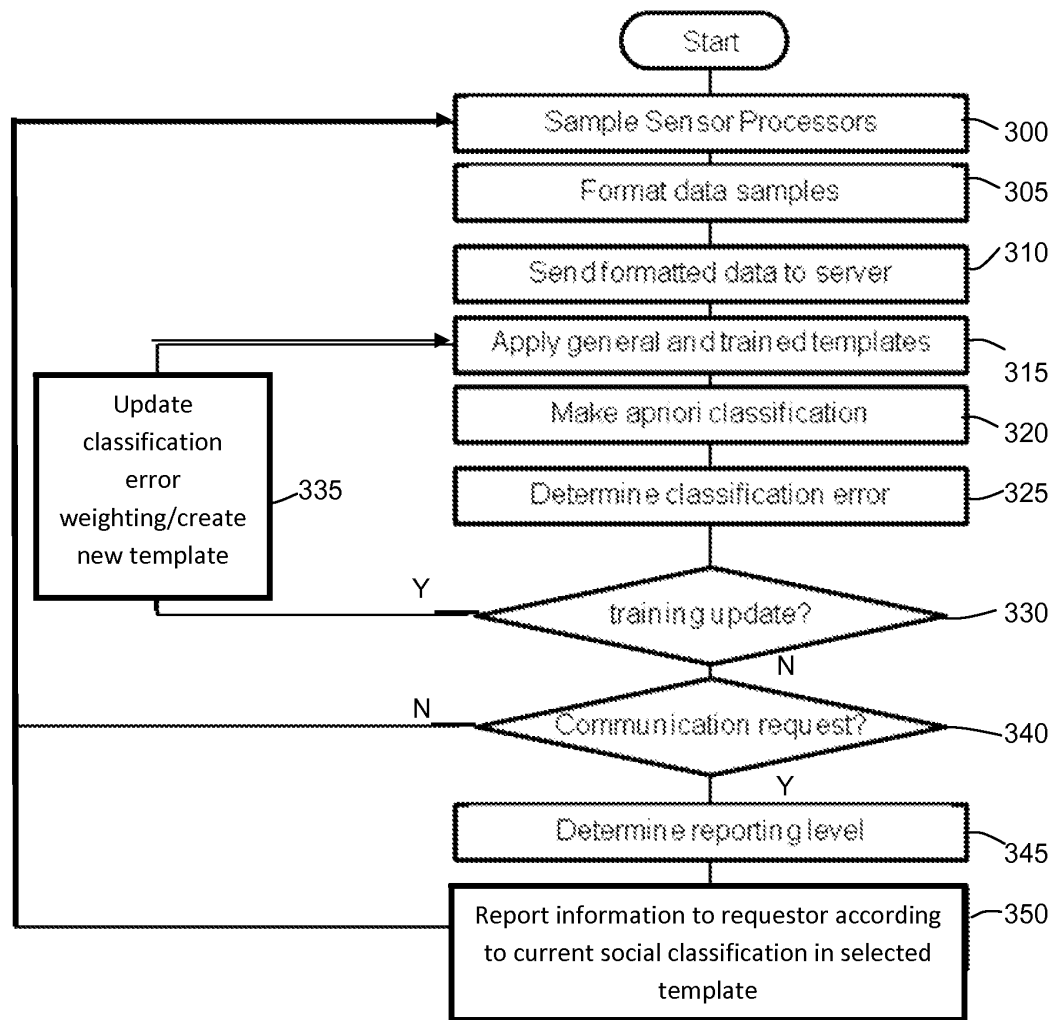


FIG. 3



NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)	First Named Inventor		Patrick Nunally
	Title	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS	
	Attorney Docket Number		0152.1002C4

I hereby 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.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).



 Signature

March 14, 2011

Date

James G. McEwen

41,983

Typed or printed name

Registration Number, if applicable

202-216-9505

Telephone Number

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(a). 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 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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Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS		
First Named Inventor/Applicant Name:		Patrick Nunally		
Filer:		James Garrett McEwen/Christine Grimes		
Attorney Docket Number:		0152.1002C4		
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	82	82
Utility Search Fee	2111	1	270	270
Utility Examination Fee	2311	1	110	110
Pages:				
Claims:				
Claims in excess of 20	2202	10	26	260
Miscellaneous-Filing:				
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				722

Electronic Acknowledgement Receipt	
EFS ID:	9652987
Application Number:	13047290
International Application Number:	
Confirmation Number:	6553
Title of Invention:	SYSTEM AND METHOD FOR MANAGING MOBILE COMMUNICATIONS
First Named Inventor/Applicant Name:	Patrick Nunally
Customer Number:	49455
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Receipt Date:	14-MAR-2011
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Time Stamp:	16:06:51
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$722
RAM confirmation Number	2933
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1		NewContApp_031411.pdf	2046846 b9d5b14611d8f41cd7f25da4ec20ed02fc1e d5c2	yes	46
Multipart Description/PDF files in .zip description					
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		Transmittal of New Application	1	3	
		Oath or Declaration filed	4	4	
		Specification	5	35	
		Claims	36	41	
		Abstract	42	42	
		Drawings-only black and white line drawings	43	45	
		Nonpublication request from applicant.	46	46	
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<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					