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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/272,936	10/13/2011	Michael D. Schulze	060419.00016	9130

27305 7590 07/01/2013
HOWARD & HOWARD ATTORNEYS PLLC
450 West Fourth Street
Royal Oak, MI 48067

EXAMINER

LODHI, ANDALIB FT

ART UNIT	PAPER NUMBER
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2162

MAIL DATE	DELIVERY MODE
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07/01/2013

PAPER

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

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

Notice of Abandonment	Application No.	Applicant(s)
	13/272,936	SCHULZE ET AL.
	Examiner	Art Unit
	ANDALIB LODHI	2162

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

This application is abandoned in view of:

1. ☒ Applicant's failure to timely file a proper reply to the Office letter mailed on 18 December 2012.
 - (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply (including a total extension of time of _____ month(s)) which expired on _____.
 - (b) ☐ A proposed reply was received on _____, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
 - (c) ☐ A reply was received on _____ but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).
 - (d) ☒ No reply has been received.

2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
 - (a) ☐ The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
 - (b) ☐ The submitted fee of \$_____ is insufficient. A balance of \$_____ is due.
The issue fee required by 37 CFR 1.18 is \$_____. The publication fee, if required by 37 CFR 1.18(d), is \$_____.
 - (c) ☐ The issue fee and publication fee, if applicable, has not been received.

3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
 - (a) ☐ Proposed corrected drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
 - (b) ☐ No corrected drawings have been received.

4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.

5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.

6. ☐ The decision by the Board of Patent Appeals and Interference rendered on _____ and because the period for seeking court review of the decision has expired and there are no allowed claims.

7. ☒ The reason(s) below:

Applicant was not able to be reached by the phone.

/John E Breene/
Supervisory Patent Examiner, Art Unit 2162

/Andalib F. Lodhi/
Examiner
Art Unit: 2162

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.



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13/272,936

10/13/2011

Michael D. Schulze

060419.00016

9130

27305

7590

12/18/2012

HOWARD & HOWARD ATTORNEYS PLLC

450 West Fourth Street

Royal Oak, MI 48067

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LODHI, ANDALIB FT

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12/18/2012

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

Office Action Summary	Application No. 13/272,936	Applicant(s) SCHULZE ET AL.	
	Examiner ANDALIB LODHI	Art Unit 2162	

-- 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 06 December 2012.
- 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) 23-30 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) 23-30 is/are rejected.
- 8) ☐ Claim(s) ____ is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

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

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- 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 type="checkbox"/> Notice of References Cited (PTO-892) | 3) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>12/06/2012</u> . | 4) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Response to Amendment

1. This Office Action is in response to applicant's communication filed December 06, 2012. The Applicant's remarks and amendments to the claims and/or the specification were considered with the results that follow.
2. In response to the last Office Action, claims 1-22 have been cancelled. No claim has been newly added. As a result, claims 23-30 are now pending in this application.

Terminal Disclaimer

3. Terminal Disclaimer has not been approved on 12/11/2012, which has filed on 12/06/2012. The terminal disclaimer does not comply with 37 CFR 1.32 (c) (3) because: Ten or fewer patent practitioners, stating the name and registration number of each patent practitioner. Except as provided in paragraph (c)(1) or (c)(2) of this section, the Office will not recognize more than ten patent practitioners as being of record in an application or patent. If a power of attorney names more than ten patent practitioners, such power of attorney must be accompanied by a separate paper indicating which ten patent practitioners named in the power of attorney are to be recognized by the Office as being of record in the application or patent to which the power of attorney is directed.

Information Disclosure Statement

4. The information disclosure statement (IDS) submitted on 12/06/2012 has been considered by the examiner.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

See the following chart for claim correspondences:

<u>WHAT IS CLAIMED IS: Application</u> <u>no:13/272936</u>	<u>WHAT IS CLAIMED IS: Patented application</u> <u>no:7836067</u>
23. A method of obtaining an electronically-stored financial document from one of a first storage system and a second storage system with the first and second storage systems being different from each other wherein the first and second storage systems each include	1. A method of obtaining an electronically-stored financial document from one of a first storage system and a second storage system with the first and second storage systems being different from each other wherein the first and second storage

<p>a plurality of financial documents stored therein and wherein each of the financial documents is associated with at least one specific document parameter, said method comprising the steps of: storing a plurality of financial documents in a first fixed medium at the first storage system when the specific document parameter of the financial document is greater than a predetermined parameter; storing a plurality of financial documents in a second fixed medium at the second storage system when the specific document parameter of the financial document is less than or equal to the predetermined parameter; utilizing a computer terminal connected to the first and second storage systems through a processing unit; submitting a request for at least one of the stored financial documents into the computer terminal; comparing the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter after the request has been submitted; at least partially automatically accessing the first storage system through the processing unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when the specific document parameter is less than or equal to the predetermined parameter; and retrieving the requested financial document, as defined by the submitted request, in the first fixed medium when the specific document parameter is greater than the predetermined parameter and in the second fixed medium when a specific document parameter of the financial document is less than or equal to the predetermined parameter.</p>	<p>systems each include a plurality of financial documents stored therein and wherein each of the financial documents is associated with at least one specific document parameter, said method comprising the steps of: storing a plurality of financial documents in a first fixed medium at the first storage system when the specific document parameter of the financial document is greater than a predetermined parameter; storing a plurality of financial documents in a second fixed medium at the second storage system when the specific document parameter of the financial document is less than or equal to the predetermined parameter; utilizing, through a user, a computer terminal connected to the first and second storage systems through a processing unit; submitting a request for at least one of the stored financial documents into the computer terminal; comparing the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter after the request has been submitted; accessing the first storage system through the processing unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when the specific document parameter is less than or equal to the predetermined parameter; and retrieving the requested financial document, as defined by the submitted request, in the first fixed medium when the specific document parameter is greater than the predetermined parameter and in the second fixed medium when a specific document parameter of the financial document is less than or equal to the predetermined parameter.</p>
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5. Claim 23 is provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1 in the patented application no: 7836067. Although the conflicting claims are not identical, they are not patentably

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distinct from each other because it is obvious to one of the ordinary skill in the art, that the broader language of claim **23** of the instant application 13/272936, where (at least partially automatically accessing the first storage system through the processing unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when the specific document parameter is less than or equal to the predetermined parameter) will read on the language of greater scope of claims 1 in the patented application no: 7836067, which disclose (accessing the first storage system through the processing unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when the specific document parameter is less than or equal to the predetermined parameter).

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claim 1 is directed to the obviousness-type double patenting invention as that of claim 1 of commonly assigned patented application no. 7836067. The issue of priority under 35 U.S.C. 102(g) and possibly 35 U.S.C. 102(f) of this single invention must be resolved.

5. A rejection based on double patenting of the "same invention" type finds its support in the language of 35 U.S.C. 101 which states that "whoever invents or discovers any new and useful process ... may obtain a patent therefor ..." (Emphasis added). Thus, the term "same invention," in this context, means an invention drawn to identical subject matter. See *Miller v. Eagle Mfg. Co.*, 151 U.S. 186 (1894); *In re*

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Ockert, 245 F.2d 467, 114 USPQ 330 (CCPA 1957); and *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970).

A statutory type (35 U.S.C. 101) double patenting rejection can be overcome by canceling or amending the conflicting claims so they are no longer coextensive in scope. The filing of a terminal disclaimer cannot overcome a double patenting rejection based upon 35 U.S.C. 101.

See the following chart for claim correspondences:

WHAT IS CLAIMED IS: Application no:13/272936	WHAT IS CLAIMED IS: Patented application no:7836067
<p>24. (New) A method as set forth in claim 23 wherein the first and second fixed mediums are different from each other.</p> <p>25. (New) A method as set forth in claim 24 wherein the step of storing a plurality of financial documents in a first fixed medium is further defined as storing a plurality of financial documents on a physical media.</p> <p>26. (New) A method as set forth in claim 25 wherein the step of storing a plurality of financial documents in a second fixed medium is further defined as electronically storing the plurality of financial documents in a fixed electronic medium.</p> <p>27. (New) A method as set forth in claim 24 wherein the step of storing a plurality of financial documents in a first fixed medium is further defined as electronically storing the plurality of financial documents in a fixed electronic medium.</p> <p>28. (New) A method as set forth in claim 27 wherein the step of storing a plurality of financial documents in a second fixed medium is further defined as storing a plurality of financial documents on a physical media.</p> <p>29. (New) A method as set forth in claim 23 wherein the first and second fixed mediums are the same.</p>	<p>2. A method as set forth in claim 1 wherein the first and second fixed mediums are different from each other.</p> <p>3. A method as set forth in claim 2 wherein the step of storing a plurality of financial documents in a first fixed medium is further defined as storing a plurality of financial documents on a physical media.</p> <p>4. A method as set forth in claim 3 wherein the step of storing a plurality of financial documents in a first fixed medium is further defined as storing a plurality of financial documents on one of microfilm and microfiche.</p> <p>5. A method as set forth in claim 3 wherein the step of storing a plurality of financial documents in a second fixed medium is further defined as electronically storing the plurality of financial documents in a fixed electronic medium.</p> <p>6. A method as set forth in claim 5 wherein the step of storing a plurality of financial documents in a second fixed medium is further defined as electronically storing the plurality of financial documents on an electronic disc media.</p> <p>10. A method as set forth in claim 1 wherein the first and second fixed mediums are the same.</p>

6. Claims 24-29 are rejected under 35 U.S.C. 101 as claiming the same invention as that of claims 2-6, 10 of prior U.S. Patent No. 7,836,067. This is a statutory double patenting rejection.

7. Claims 24-28 of the instant application is the same as are claims 2-6 of prior U.S. Patent No: 8204903 and claim 29 of the instant application is the same as claim 10 of prior U.S. Patent No: 8204903.

Since the U.S. Patent and Trademark Office normally will not institute an interference between applications or a patent and an application of common ownership (see MPEP Chapter 2300), the assignee is required to state which entity is the prior inventor of the conflicting subject matter. A terminal disclaimer has no effect in this situation since the basis for refusing more than one patent is priority of invention under 35 U.S.C. 102(f) or (g) and not an extension of monopoly.

Allowable Subject Matter

8. The following is an Examiner's statement of reason for allowance: 23-30 are allowed over the prior art of record. Applicant submitted IDS dated December 06, 2012 which cited U.S. patented references, foreign patent document and Non-Patent Literature (NPL) documents. While these prior art are helpful with understanding the overall subject matter of the instant application, these prior art of records do not impact

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the notice of allowance previously mailed on June 06, 2012. The cited references do not explicitly disclose wherein *'comparing the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter after the request has been submitted; at least partially automatically accessing the first storage system through the processing unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when the specific document parameter is less than or equal to the predetermined parameter'* as recited in independent claim 23 in combination with the other limitations of the claims, was not disclosed by, would not have been obvious over, nor would have been fairly suggested by the prior art of record or that encountered in searching of the prior art.

Therefore, the preceding limitations, when combines with the rest of the claim limitations recited in claim 23, result in a combination of elements that is both novel and unobvious over the prior art of record.

Dependent Claims 24-30 being further limiting to independent Claim 23 definite and enabled by the Specification are also allowed.

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."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANDALIB LODHI whose telephone number is (571)270-1759. The examiner can normally be reached on Monday-Friday, 9:00am-4:00pm, EST Alt Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on (571) 272-4107. 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.

//Andalib F. Lodhi//
Examiner, Art Unit 2162

/John E Breene/
Supervisory Patent Examiner, Art Unit 2162

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13272936	
	Filing Date		2011-10-13	
	First Named Inventor	Michael D. SCHULZE et al.		
	Art Unit	2624		
	Examiner Name	Andalib Ft Lodhi		
	Attorney Docket Number	060419.00016		

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**INFORMATION DISCLOSURE
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(Not for submission under 37 CFR 1.99)

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Filing Date		2011-10-13
First Named Inventor	Michael D. SCHULZE et al.	
Art Unit	2624	
Examiner Name	Andalib Ft Lodhi	
Attorney Docket Number	060419.00016	

/A.L./	1	Article: GLADNEY, "A Storage Subsystem for Image and Records Management", IBM System Journal, Vol. 32, No. 3, 1993, pages 512-540, JDMI0000001-29.	<input type="checkbox"/>
	2	Article: ISAAC, "Hierarchical Storage Management for Relational Database", Twelfth IEEE Symposium on Mass Storage System, April, 1993, pages 139-144 JDMI0000059-65.	<input type="checkbox"/>
	3	Article: GRAF et al., "Application of a Mass Storage System to Science Data Management", Twelfth IEEE Symposium on Mass Storage Systems, April, 1993, pages 191-198, JDMI0000030.	<input type="checkbox"/>
	4	Article: LASH, "Requirements for Hierarchical Storage Management at AT&T Bell Laboratories", Twelfth IEEE Symposium on Mass Storage System, April, 1993, pages 19-24. JDMI0000105.	<input type="checkbox"/>
	5	Article: MORAN et al., "The Restore-o-Mounter", USENIX Summer 1993 Technical Conference, pages 45-58, JDMI0002230-2244.	<input type="checkbox"/>
	6	Article: O'NIEL et al., "A Log-Structured History Data Access Method (LHAM)", Sept. 4, 1993, pages 1-9, JDMI0001167-1175.	<input type="checkbox"/>
	7	Article: MEHRING, "Demonstration of Dissemination, Storage, and Retrieval of Defense Mapping Agency Digital Products over a Distributed Enterprise Network, SPIE Vo. 2368 Image and Information Systems, 1994, pages 173-182, JDMI0000049-58.	<input type="checkbox"/>
	8	Article: SCHLATTER et al., "The Business Object Management System", IBM Systems Journal, Vol. 33, No. 2, 1994. pages 239-263, JDMI0001186-1210.	<input type="checkbox"/>
	9	Publication: CINCINNATI BELL INFORMATION SYSTEMS et al., "A Proposal for the Federal Reserve, CBIS, RFP#0729 — Amended May 26, 1994, 307 pages, JDMI0003031-3337.	<input type="checkbox"/>
	10	Publication: IBM Corp. Document and Check Image Solutions et al., "IBM Proposal for Federal Reserve Bank Check Image System", July 8, 1994, 272 pages, JDMI0002458-2729.	<input type="checkbox"/>
/A.L./	11	DEFENDANTS ZIONS BANCORPORATION'S ZIONS FIRST NATIONAL BANK'S AND AMEGY BANK NATIONAL ASSOCIATION'S SECOND SUPPLEMENTAL INVALIDITY CONTENTIONS, Mirror Imaging, LLC, Plaintiff v. Suntrust Bank, INC: et al., Defendants, Civil Action No. 2:08cv295, date 01/28/2010, 6 pages.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

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Art Unit	2624
Examiner Name	Andalib Ft Lodhi
Attorney Docket Number	060419.00016

/A.L./	12	DEFENDANTS' INVALIDITY CONTENTIONS, Mirror Imaging, LLC, Plaintiff v. Suntrust Bank, INC: et al., Defendants, Civil Action No. 2:08cv295, date 05/15/2009, 36 pages.	<input type="checkbox"/>
	13	DEFENDANTS' SUPPLEMENTAL INVALIDITY CONTENTIONS, Mirror Imaging, LLC, Plaintiff v. Suntrust Bank, INC: et al., Defendants, Civil Action No. 2:08cv295, date 08/07/2009, 17 pages.	<input type="checkbox"/>
	14	DEFENDANTS' MARKMAN PRESENTATION, Mirror Imaging, LLC, Plaintiff v. Suntrust Bank, INC: et al., Defendants, Civil Action No. 2:08cv295, no date, 114 pages.	<input type="checkbox"/>
	15	Article: LOMET et al., "Access Method For Multiversion Data", Association for Computing Machinery, 1989, pages 315-324 JDMI0001176-1185.	<input type="checkbox"/>
	16	Article: PLESUMS et al., "Large-scale Image Systems: USSA case study", IBM System Journal, Vo. 29, No. 3, 1990, pages 343-355, JDMI0002347-2359.	<input type="checkbox"/>
	17	Article: PETERSON, "E-System Modular Automated Storage System (EMASS) Software Functionality, IEEE, 1991, pages 73-76, JDMI0002342-2346.	<input type="checkbox"/>
	18	Publication: LOMET et al., "Media Recovery with Time-Split B-trees, Cambridge Research Laboratory, Technical Report Series, 10/16/1991, CRL 91/9, 45 pages. JDM10002185-2229.	<input type="checkbox"/>
	19	Article: SANDERS et al., "Performance Evaluation of a Picture archiving and communication Network Using Stochastic Activity Networks", IEEE Transactions On Medical Imaging, Vol.12, No. 1, March 1993, pages 21-29, JDMI0000631-641.	<input type="checkbox"/>
	20	Publication: IBM Corp. IBM Payment Solutions et al., "Federal Reserve Bank of Boston Check Image Process and Archival and Retrieval Systems", July 8, 1994, 504 pages, JDMI0001211-1714.	<input type="checkbox"/>
	21	Article: GROSSMAN et al., "Caching and Migration for Multilevel Persistent Object Stores", Fourteenth IEEE Symposium on Mass Storage Systems", September, 1995, pages 127-135, JDMI0000039-47.	<input type="checkbox"/>
/A.L./	22	Article: STEPHENSON et al., "Impacts: An Interactive, Multiterabyte Image Archive", Fourteenth IEEE Symposium on Mass Storage Systems", September, 1995, pages 146-161, JDMI0000066-82.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13272936
Filing Date	2011-10-13
First Named Inventor	Michael D. SCHULZE et al.
Art Unit	2624
Examiner Name	Andalib Ft Lodhi
Attorney Docket Number	060419.00016

/A.L./	23	Publication: Image Archive Forum, "Image A'rchive Requirements, July 23, 1996, Revision 5, 44 pages, JDMI0004449-4492.	<input type="checkbox"/>
	24	Article: WOOSTER et al, "Proxy Caching That Estimates Page Load Delays", Computer Networks and ISDN Systems #29, 1997, pages 9777-986, JDMI0000095-104.	<input type="checkbox"/>
	25	Article: KOLODNY et al., "A Low-Cost, Full-Function Picture Archiving and Communication System Using Standard PC Hardware and the Traditional 4-over-4 Display Format", Computers in Radiology, April 28, 1998, March 1999, pages 591-594.	<input type="checkbox"/>
	26	Publication: MIRROR IMAGING, LLC V. SUNTRUST BANKS, INCL, et al., "Mirror Imaging's Claim Construction Presentation", "nbc, nelsonburngardnercastro", 58 pages.	<input type="checkbox"/>
	27	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 1, 15 pages.	<input type="checkbox"/>
	28	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 2, 13 pages.	<input type="checkbox"/>
	29	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 3, 16 pages.	<input type="checkbox"/>
	30	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 4, 16 pages.	<input type="checkbox"/>
	31	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 5, 14 pages.	<input type="checkbox"/>
	32	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 6, 14 pages.	<input type="checkbox"/>
/A.L./	33	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 7, 12 pages.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
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Attorney Docket Number		060419.00016

/A.L./	34	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 8, 13 pages.	<input type="checkbox"/>
	35	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 9, 12 pages.	<input type="checkbox"/>
	36	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 10, 20 pages.	<input type="checkbox"/>
	37	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 11, 21 pages.	<input type="checkbox"/>
	38	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 12, 16 pages.	<input type="checkbox"/>
	39	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 13, 10 pages.	<input type="checkbox"/>
	40	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 14, 22 pages.	<input type="checkbox"/>
	41	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 15, 12 pages	<input type="checkbox"/>
	42	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 16, 20 pages.	<input type="checkbox"/>
	43	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 17, 16 pages.	<input type="checkbox"/>
/A.L./	44	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 18, 14 pages.	<input type="checkbox"/>

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/A.L./	45	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 19, 15 pages.	<input type="checkbox"/>
	46	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 20, 21 pages.	<input type="checkbox"/>
	47	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 21, 18 pages.	<input type="checkbox"/>
	48	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 22, 25 pages.	<input type="checkbox"/>
	49	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 23, 10 pages.	<input type="checkbox"/>
/A.L./	50	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 24, 17 pages.	<input type="checkbox"/>

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¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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- ☒ See attached certification statement.
- ☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Samuel J. Haidle/	Date (YYYY-MM-DD)	2012-12-06
Name/Print	Samuel J. Haidle	Registration Number	42619

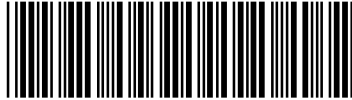
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

<i>Index of Claims</i> 	Application/Control No. 13272936	Applicant(s)/Patent Under Reexamination SCHULZE ET AL.
	Examiner ANDALIB LODHI	Art Unit 2162

✓	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	05/21/2012	12/13/2012						
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	Art Unit	2624		
	Examiner Name	Andalib Ft Lodhi		
	Attorney Docket Number	060419.00016		

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/A.L./	1	JP 03-085649	JP	A	1991-04-10	Nasu		<input type="checkbox"/>
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/A.L./	1	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 34, 24 pages.	<input type="checkbox"/>
	2	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 35, 33 pages.	<input type="checkbox"/>
	3	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 36, 42 pages.	<input type="checkbox"/>
	4	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 37, 26 pages.	<input type="checkbox"/>
	5	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 38, 30 pages.	<input type="checkbox"/>
	6	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 39, 14 pages.	<input type="checkbox"/>
	7	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 40, 16 pages.	<input type="checkbox"/>
	8	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 41, 16 pages.	<input type="checkbox"/>
	9	Chart # 1, Invalidity Contentions for U.S. Pat. No. 6,963,866, 9 pages.	<input type="checkbox"/>
/A.L./	10	Chart # 2 Invalidity Contentions for U.S. Pat. No. 6,963,866, 10 pages.	<input type="checkbox"/>

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Attorney Docket Number	060419.00016

/A.L./	11	Chart # 4, Invalidity Contentions for U.S. Pat. No. 7,552,118, 10 pages	<input type="checkbox"/>
I	12	English language abstract for JP 03-085649 extracted from the espacenet.com database on 12/5/2012, 9 pages.	<input type="checkbox"/>
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SIGNATURE

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Signature	/Samuel J. Haidle/	Date (YYYY-MM-DD)	2012-12-06
Name/Print	Samuel J. Haidle	Registration Number	42619

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Attorney Docket Number	060419.00016

/A.L./	1	Press Release: MI ACS 00750-752, "Carreker-Antinori, ACS and Eastman Kodak Announce Alliance to Provide Financial Institutions with Internet-based Digitized Check Image Capabilities", Multex Investor Network, May 19, 1999, 3 pages.	<input type="checkbox"/>
	2	Press Release: Carreker 0769-772, "Carreker-Antioni, ACS and Eastman Kodak Announce Alliance to Provide Financial Institutions with Internet based Digitized Check Image Capabilities, Carreker-Antinori, May 19, 1999, 4 pages.	<input type="checkbox"/>
	3	Article: MI ACS 00731-732, NEWMAN, "Check Retrieval Service Duplicates Banks' Check Fulfillment Departments", The Business Journal, May 31, 1999, 2 pages.	<input type="checkbox"/>
	4	Brochure: Mirror Imaging's Patent Pending, Proprietary Solution for Request Fulfillment & Disaster Recovery (Hot Site), Mirror Imaging, July 07, 1999, 2 pages.	<input type="checkbox"/>
	5	Article: MI ACS 00753-756, BROOKS, "Bank One's Strategy As Competition Grows: New, Online Institution", The Wall Street Journal, No. 39, August 25, 1999, 4 pages.	<input type="checkbox"/>
	6	Article: CARREKER, "Banks and E-Commerce: Transforming Old Economy Practices into New Economy Businesses", Commercial Lending Review, Fall 2000, pages 28-35. Article: PASIECKI, "Now is the Time to Make a Commitment to ECP", American Banker, August 31, 1999, 4 pages.	<input type="checkbox"/>
	7	Brochure: "CAPS - Microfilm Products People", Micrographic Sciences Inc., 2000, 2 pages.	<input type="checkbox"/>
	8	KRISTI NELSON, article entitled "UBOC Moves to New Check Archive System" from Bank Systems & Technology Issue dated April 2000, published in the U.S.A.	<input type="checkbox"/>
	9	On Line Article: "FujiFilm Unveils Three Second-Generation Software Products for its M Drive Microfilm Retrieval System", printed from creativepro.com , April 14, 2000, 4 pages.	<input type="checkbox"/>
	10	Press Release: MI ACS 00656, "Check Solutions Company Selected as Archive Vendor for Viewpointe Archive Services", Check Solutions, November 1, 2000, 1 page.	<input type="checkbox"/>
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Application Number		13272936
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Art Unit	2624	
Examiner Name	Andalib Ft Lodhi	
Attorney Docket Number	060419.00016	

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	14	Article: MI ACS 00655, BRUNO, "Leave Automation to Automators", U.S. Banker Buyer's Guide, 2001, 1 page.	<input type="checkbox"/>
	15	Article: MI ACS 00784-785, MURPHY, "Talk of the Show: Image Archive", U.S. Banker www.us-banker.com, 2001, 2 pages.	<input type="checkbox"/>
	16	On Line Brochure: MI ACS 00912-930, "Welcome to Viewpoint". Viewpoint Archive Services, 2001, 19 pages.	<input type="checkbox"/>
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	38	Article: DOWDELL, "Image Technology and the Changing Role of Banks", X9 Standard, February 2002, 6 pages.	<input type="checkbox"/>
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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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Signature	/Samuel J. Haidle/	Date (YYYY-MM-DD)	2012-12-06
Name/Print	Samuel J. Haidle	Registration Number	42619

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	Examiner Name	Andalib Ft Lodhi	
	Attorney Docket Number	060419.00016	

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/A.L./	2	20010036324	A1	2001-11-01	Altman	
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/A.L./	1	PCT International Search Report for PCT/US00/09926 dated 08/22/2000, 1 page.						<input type="checkbox"/>
I	2	AFFIDAVIT OF MICHAEL SCHULZE, Mirror Imaging, L.L.C., Plaintiff, v. Affiliated Computer Services, Inc. et al., Defendants: Civil Action No. 02-73629, 07/07/2003, 3 pages.						<input type="checkbox"/>
/A.L./	3	DECLARATION OF MICHAEL SCHULZE, Mirror Imaging, L.L.C., Plaintiff, v. Affiliated Computer Service, Inc. et al., Defendants: Civil Action No. 02-73629, 08/28/2003, 6 pages.						<input type="checkbox"/>

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/A.L./	4	Plaintiff's Claim Construction Brief for Mirror Imaging, L.L.C. v Affiliated Computer Services, Inc. and ACS Image Solutions, Inc. and Affiliated Computer Services, Inc. v. Mirror Imaging, LLC filed August 29, 2003.	<input type="checkbox"/>
	5	DECLARATION OF STEPHEN GRAY, Mirror Imaging, L.L.C., Plaintiff, v. Affiliated Computer Services, Inc. et al., Defendants: Civil Action No. 02-73629, 09/25/2003, 26 pages.	<input type="checkbox"/>
	6	COMBINED BRIEF OF AFFILIATED COMPUTER SERVICES, INC. AND ACS IMAGE SOLUTIONS, INC. IN SUPPORT OF THEIR CLAIM CONSTRUCTIONS, Mirror Imaging, L.L.C., Plaintiff, v. Affiliated Computer Services, Inc. et al. Defendants: Civil Action No. 02-73629, 09/29/2003, 25 pages.	<input type="checkbox"/>
	7	PLAINTIFF'S REPLY BRIEF TO COMBINED BRIEF OF AFFILIATED COMPUTER SERVICES, INC. AND ACS IMAGE SOLUTIONS, INC. IN SUPPORT OF THEIR CLAIM CONSTRUCTIONS, Mirror Imaging, L.L.C., Plaintiff, v. Affiliated Computer Services, Inc. et al., Defendants: Civil Action No. 02-73629, 10/14/2003, 9 pages.	<input type="checkbox"/>
	8	DECLARATION OF CHARLES W. KIGHT, Mirror Imaging, L.L.C. Plaintiff, v. Affiliated Computer Services, Inc. et al., Defendants: Civil Action No. 02-73629, 10/14/2003, 10 pages.	<input type="checkbox"/>
	9	CLAIM CONSTRUCTION ORDER, Mirror Imaging, L.L.C. Plaintiff, v. Affiliated Computer Services, Inc., Defendant: Case No. 02-CV-73629- DT, 03/08/2004, 29 pages.	<input type="checkbox"/>
	10	BRIEF FOR APPELLANT, Mirror Imaging, L.L.C. Plaintiff-Appellant, v. Affiliated Computers Services, Inc., et al. Defendant-Appellees: Case No. 2:02-CV-73629, 09/17/2004, 22 pages.	<input type="checkbox"/>
	11	STIPULATION AND ORDER DISMISSING CERTAIN CLAIMS AND COUNTERCLAIMS, Mirror Imaging, L.L.C. Plaintiff, v. Affiliated Computer Services, Inc. et al., Defendants: Civil Action No. 02-73629, 09/17/2004, 6 pages.	<input type="checkbox"/>
	12	AFFILIATED COMPUTER SERVICES, INC. & ACS IMAGE SOLUTIONS, INC.'S, MARKMAN HEARING PRESENTATION, Mirror Imaging, L.L.C. Plaintiff, v. Affiliated Computer services, Inc. et al., Defendant: Civil Action No. 02-73629, no date, 33 pages.	<input type="checkbox"/>
	13	ORIGINAL ANSWER AND COUNTERCLAIM OF DEFENDANTS COMPASS BANCSHARES, INC. AND COMPASS BANK, Mirror Imaging, LLC, Plaintiff, v. Suntrust Bank, Inc: et al. Defendants: Civil Action No. 2:08cv-295, 08/25/2008, 10 pages.	<input type="checkbox"/>
/A.L./	14	ORIGINAL ANSWER AND COUNTERCLAIM OF DEFENDANTS FIRST HORIZON NATIONAL CORPORATION AND FIRST TENNESSEE BANK NATIONAL ASSOCIATION, Mirror Imaging, LLC, Plaintiff v. Suntrust Banks, Inc; et al. Defendants, Civil Action No. 2:08cv-295, 08/25/2008, 12 pages.	<input type="checkbox"/>

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Application Number	13272936
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Art Unit	2624
Examiner Name	Andalib Ft Lodhi
Attorney Docket Number	060419.00016

/A.L./	15	CULLEN/FROST BANKERS, INC. AND THE FROST NATIONAL BANK'S ANSWER AND COUNTERCLAIMS, Mirror Imaging LLC, Plaintiff v. Suntrust Banks, Inc. et al., Defendants: Civil Action 2:08-CV-295, 08/26/2008, 11 pages.	<input type="checkbox"/>
	16	ANSWER AND COUNTERCLAIM OF DEFENDANTS ZIONS BANCORPORATION, ZIONS FIRST NATIONAL BANK AND AMEGY BANK NATIONAL ASSOCIATION TO PLAINTIFF'S ORIGINAL COMPLAINT, Mirror Imaging LLC, Plaintiff, v. Suntrust Banks, Inc., et al. Defendants: Civil Action No. 2:08-CV-295, 09/24/2008, 11 pages.	<input type="checkbox"/>
	17	HSBC DEFENDANTS' JOINT ANSWER AND COUNTERCLAIMS TO ORIGINAL COMPLAINT, Mirror Imaging LLC., Plaintiff, v. Suntrust Bank, Inc. et al. Defendants: Civil Action No. 2:08cv00295 DF, 09/24/2008, 22 pages.	<input type="checkbox"/>
	18	SUNTRUST BANKS, INC.'S AND SUNTRUST BANK'S ANSWER AND COUNTERCLAIMS, Mirror Imaging LLC., Plaintiff, v. Suntrust Banks, Inc. et al., Defendants: Civil Action No. 2:08-CV-295, 10/07/2008, 23 pages.	<input type="checkbox"/>
	19	Article: ACS 0002294-2297, "Bank Has A Disaster But Survives - Here's How", Journal of The American Bankers Association, Nov. 1972, 5 pages.	<input type="checkbox"/>
	20	Publication dated October 1973, Burroughs Clearing House, entitled "Maximum Security For Financial Records", ACS 0001469-71, 3 pages.	<input type="checkbox"/>
	21	Publication dated 11/1/1976 from Forbes Magazine entitled "Dozier Willard's Crazy (Like a Fox) Idea".	<input type="checkbox"/>
	22	Publication dated 1978, authors Caroline M. Eastman and Stephen F. Weiss, entitled "A Tree Algorithm For Nearest Neighbor Searching In Document Retrieval Systems".	<input type="checkbox"/>
	23	Publication dated August 1981, from the Communication of ACM Volume 24, Number 8, author Alan Jay Smith of University of California, Berkeley, entitled "Long Term File Migration: Development and Evaluation of Algorithms", JDMI000083-94, pages 521-532.	<input type="checkbox"/>
	24	Publication dated 8/15/1989, from Datamation, Vol 35, No. 16, author Jeff Moad, entitled "The Networked Storage Game".	<input type="checkbox"/>
/A.L./	25	Brochure: ACS 0001585-1598, "The Business of Dataplex", Dataplex Corporation, 1990, 14 pages.	<input type="checkbox"/>

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/A.L./	26	Brochure: ACS0001579-1584, "Dataplex Corporation: An Overview", 1991, 6 pages.	<input type="checkbox"/>
	27	Brochure: ACS 0001571-1578, "Southern Vital Record Center", Dataplex Corporation, 1991, 8 pages.	<input type="checkbox"/>
	28	Publication dated 1991, authors Vincent Cate and Thomas Gross, entitled "Combining the Concepts of Compression and Caching for a Two-level File System."	<input type="checkbox"/>
	29	Article: ACS0001391, ACS 0001755-1756, GLASS, "Never Ending Disk -Version 2.0 Sytron", Info World, Vol. 16, No 49., 1994, 3 pages.	<input type="checkbox"/>
	30	Publication dated 1995, from New Library World, authors Catherine Hare and Graham Southwood, entitled "Getting the Records Straight — Developments in Records Management". Publication dated August 1994 from PC Magazine, author Steve Rigney, entitled "Palindrome HSM: Affordable and Flexible".	<input type="checkbox"/>
	31	Publication dated 1995, authors Jeong-Ki Kim and Jac-Woo Chang: entitled "A New Parallel Signature File Method For Efficient Information Retrieval".	<input type="checkbox"/>
	32	Publication dated February 1996, from ACM Transactions on Computer Systems, Vol. 14, No.1, Pages 108-136, authors John Wilkes, Richard Golding, Carl Staelin, and Tim Sullivan of Hewlett-Packard Laboratories, entitled "The HP AutoRAID Hierarchical Storage System.	<input type="checkbox"/>
	33	Publication dated March 25, 1996, from Information Week, No. 572, pp.77 (6) author Neil Raden, entitled "Boost Warehouse Performances".	<input type="checkbox"/>
	34	HOLLY SRAEEL, article entitled "City Holdings Opts For DSI's Image" dated March 1996 from Imaging, published in the U.S.A., 1 page.	<input type="checkbox"/>
	35	THIERRY LEGER and DEBRA LEAK, article entitled "IA Corp. Announces New CheckVision Products: New CheckVision Archive Software Supports Short-and Long-Term Check Image Archival With Dynamic, Multi-tiered Migration", dated April 1, 1996, published in the U.S.A.	<input type="checkbox"/>
/A.L./	36	Article: ACS0001464, ACS 0001750-1754, BALLARD, "Managing the Paper-Chain", Logistics Focus, Vol. 4, No. 4, 1996, 6 pages.	<input type="checkbox"/>

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/A.L./	37	THIERRY LEGER, DANIELE SWEENEY, JUDITH HARGRAVE and JOANN CURRAN, article entitled "IA Corp. Uses Storage Tek Robotic Library for First Client/Server Check Image Archive at Union Bank of California; New client/server CheckVision Archive Application Stores Millions of Checks Per Day Using StorageTek Technology for Quicker Image Retrieval and On-line Client Viewing", dated October 7, (1996), published in the U.S.A.	<input type="checkbox"/>
	38	Publication dated November 4, 1996, from Computerworld, author Alice LaPlante, entitled "Warehouse of Cards".	<input type="checkbox"/>
	39	Publication dated 1996, author Daniel A. Menasce, Odysseas I. Pentakalos, and Yelena Yesha, entitled "An Analytic Model of Hierarchical Mass Storage Systems With Network Attached Storage Devices.	<input type="checkbox"/>
	40	Article entitled "Trans Financial Bank An Image Success Story Leveraging Technology to Revolutionize Item Processing". From Documents Solutions, a BISYS Company, dated 1996, 7 pages.	<input type="checkbox"/>
	41	Presentation: Carreker 0914-923, "Mirror Imaging / ASI / Comerica Meeting" - Wednesday, May 28, 1997, Mirror Imaging, 10 pages.	<input type="checkbox"/>
	42	Publication dated March 18, 1998, from Documents Imaging Report, Vol. 8, Issue 6, entitled "Sterling Integrates Storage Archives for Bank Documents".	<input type="checkbox"/>
	43	Brochure: "M.I.R.R., Microlmagery Retention and Retrieval", Mirror Imaging, April 16, 1998, 2 pages.	<input type="checkbox"/>
	44	User Manual: Carreker 1082-1100, "Information Protection and Retrieval Services", Dataplex Information Services, no date 19 pages.	<input type="checkbox"/>
	45	ALISON P. ORENSTEIN, article entitled "City National Bulks Up Its Internet Capability" from Community Bank Systems & Technology, dated May 1998, published in the U.S.A., 1 page.	<input type="checkbox"/>
	46	Press Release: MI ACS 00735-736, "Mirror Imaging Announces Record Retention, Retrieval, and Disaster Recovery contract with Firststar Bank", Mirror Imaging LLC July 6, 1998, 2 pages.	<input type="checkbox"/>
/A.L./	47	Article: MI ACS 00737, Marlin, "Firststar Taps Service Provider for Check R&A", Bank Systems +Technology, October 1998, page 56.	<input type="checkbox"/>

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/A.L./	48	Press Release: MI ACS 00738, "Firstar Corporation Listed as Top Performing Bank of 1998", Newsalert.com, Janua 07, 1999, 1 page.	<input type="checkbox"/>
	49	Press Release: MI ACS 00733-734, "Patent Pending For Mirror Imaging's Remote Document Retention, Retrieval, And Disaster Recovery Business Methodology", May 05, 1999, 2 pages.	<input type="checkbox"/>
/A.L./	50	Article: MI ACS 00739-740, "NPC Check Services, Mirror Mirror...", The Green Sheet, Issue 99:05:02, May 17, 1999, 3 pages.	<input type="checkbox"/>

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(Not for submission under 37 CFR 1.99)

Application Number	13272936
Filing Date	2011-10-13
First Named Inventor	Michael D. SCHULZE et al.
Art Unit	2624
Examiner Name	Andalib Ft Lodhi
Attorney Docket Number	060419.00016

/A.L./	45	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 28, 31 pages.	<input type="checkbox"/>
	46	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 29, 24 pages.	<input type="checkbox"/>
	47	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 30, 32 pages.	<input type="checkbox"/>
	48	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 31, 23 pages.	<input type="checkbox"/>
	49	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 32, 18 pages.	<input type="checkbox"/>
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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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- ☒ See attached certification statement.
- ☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Samuel J. Haidle/	Date (YYYY-MM-DD)	2012-12-06
Name/Print	Samuel J. Haidle	Registration Number	42619

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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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	Filing Date		2011-10-13
	First Named Inventor	Michael D. SCHULZE et al.	
	Art Unit	2624	
	Examiner Name	Andalib Ft Lodhi	
	Attorney Docket Number	060419.00016	

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/A.L./	1	Article: MARLIN, "The Right Fit - Creation: J.P. Morgan Chase", Bank Systems & Technology, June 03, 2002, 3 pages.	<input type="checkbox"/>
	2	Press Release: MI ACS 00844, "Carreker Grants Enterprise License for Archive Software to Viewpointe", CANI : Carreker Corp Company News, June 02, 2002, 1 page.	<input type="checkbox"/>
	3	Article: MI ACS 00848-851, JOHNSON et al., "Automated Research Solutions Increase Number of Cases Per Hour from 1 to 8", BankersOnline.com, June 10, 2002, 4 pages.	<input type="checkbox"/>
	4	Brochure: ACS 0001725-1727, "ACS Record Center Description and Specifications", June 19, 2002, 3 pages.	<input type="checkbox"/>
	5	Article: "Company Interview - Carreker Corporation", The Wall Street Transcript, July 22, 2002, 4 pages.	<input type="checkbox"/>
	6	Press Release: "Superregional West Coast Bank Selects CarrekerTechnology To Build In-House Check Image Archive", Carreker Corp August 26, 2002, 3 pages.	<input type="checkbox"/>
	7	Article: Looking for Fast, Easy Check Imaging? Try One of Our New FedImage Services", Fed Talk, September 2002, 12 pages.	<input type="checkbox"/>
	8	Press Release: MI ACS 00884-885, "Viewpointe To Speed Large Bank Image Projects With AFS eVision Check", Viewpointe Archive Services, October 24, 2002, 2 pages.	<input type="checkbox"/>
	9	Article: REES et al., "The Emerging Electronic Payments Economy", The Journal Of Work Process Improvement, December 2002, 2 pages.	<input type="checkbox"/>
	10	Article: HOFFMAN, "Imaging Comes of Age", Banking Strategies, 2003, 4 pages.	<input type="checkbox"/>
/A.L./	11	Chart # 5, Invalidity Contentions for U.S. Pat. No. 7,552,118, 8 pages.	<input type="checkbox"/>

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/A.L./	12	Article: "Viewpointe - Forging New Territory", The Exchange, Vol. 1, No. 1, 2003, 5 pages.	<input type="checkbox"/>
	13	Brochure: MI ACS 00889-896, " Banking industry benefits from new image archiving model", Viewpointe Archive Service, 2003, 8 pages.	<input type="checkbox"/>
	14	Brochure: "The Future of Day 2 Processing", Viewpointe Archive Services, 2003, 3 pages.	<input type="checkbox"/>
	15	Report: SIEGMANN et al., "Safekeeping And Electronification In The Financial Services Industry", BITS Financial Services Round Table, January 2003, 19 pages.	<input type="checkbox"/>
	16	Brochure: "Banking On The Archive- Defining a Strategic Approach to Managing a Payment Archive", Global Concepts, Spring 2003, 6 pages.	<input type="checkbox"/>
	17	Press Release: "Viewpointe and SVPCo to Advance Image Exchange For Financial Services Industry", March 3, 2003, 2 pages.	<input type="checkbox"/>
	18	Article: RAGHUNATHAN, "A new look for check processing", The Dallas Morning News, March 03, 2003, 5 pages.	<input type="checkbox"/>
	19	Press Release: MI ACS 00886 "Viewpointe teams with check-service firm", Charlotte Business Journal, March 05, 2003, 1 page.	<input type="checkbox"/>
	20	Press Release: MI ACS 00887, "Chase Bank Offers Check-Image Service", March 28, 2003, 1 page.	<input type="checkbox"/>
	21	Article: "Wells Fargo Chooses Carreker Image Capture and Archive Software", Carreker Corp., April 22, 2003, 2 pages.	<input type="checkbox"/>
/A.L./	22	Article: MEARIAN, MI ACS 00855-858, "Check 21 bill spurs check imaging adoption by banks", Computer World, April 23, 2003, 4 pages.	<input type="checkbox"/>

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/A.L./	23	Brochure: MI ACS 00860-869, 00871-876, "Everyone's Back Office Is Someone Else's Front Office", Carretek, 16 pages.	<input type="checkbox"/>
	24	Press Release: MI ACS 00644-645, "Sterling Commerce Selected to Provide Key Element of SVPCo Image Exchange Network", May 07, 2003, 2 pages.	<input type="checkbox"/>
	25	Article: MI ACS 00859, CHEN, "ACS settles patent infringement suit", Dallas Business Journal, June 3, 2003, 1 page.	<input type="checkbox"/>
	26	Article: COSTANZO, "Banks Busy with Check 21, Even If Congress Isn't", American Banker, June 10, 2003, 3 pages.	<input type="checkbox"/>
	27	Brochure: "ITMS - Image & Transaction Management System", RDM Corporation, June 2003, 2 pages.	<input type="checkbox"/>
	28	Report: "MSI User Conference", CheckWorks Inc.com, November 17-18, 2003, 5 pages.	<input type="checkbox"/>
	29	Article: "SunTrust Implements CheckWorks' Image Batch Retrieval and Batch Store", CheckWorks Inc., November 18, 2003, 2 pages.	<input type="checkbox"/>
	30	Article: "CheckWorks Offers Its Batch Software", American Banker, December, 03, 2003, 1 page.	<input type="checkbox"/>
	31	Brochure: "Express Research — Overview", Carreker Corporation, 2004, 3 pages.	<input type="checkbox"/>
	32	Article: ADAMS, "Direct Access — Nat City's New Image", Bank Technology News, Vol. 17, No. 1, January 2004, 2 pages.	<input type="checkbox"/>
/A.L./	33	Press Release: "Viewpointe Bank Customers Retrieve Over 650 million Check in 2003, Viewpointe, January 13, 2004, 3 pages.	<input type="checkbox"/>

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/A.L./	34	Press Release: "Bank Imaging Solution Available", ProQuest Information and Learning Company, Feb 2004, 1 page.	<input type="checkbox"/>
	35	Article: HUNT, "Should Large U.S. Banks Outsource Their Check Processing?", TowerGroup, March 23, 2004, 4 pages.	<input type="checkbox"/>
	36	Article: WADE, "Lettko: Many Banks Lack Strategic Check 21 Plan", American Banker, July 2004, 3 pages.	<input type="checkbox"/>
	37	Article: FONSECA, "Banks get the picture", eWeek, September 06, 2004, 1 page.	<input type="checkbox"/>
	38	Article: STROM, "Banks canceling canceled checks", WorldNetDaily, September 21, 2004, 13 pages.	<input type="checkbox"/>
	39	Article: O'NEILL, "Archiver keeps big banks in check", Search storage.com, September 30, 2004, 1 page.	<input type="checkbox"/>
	40	Brochure: "The Domino effect of Check 21", Carreker Corporation, October 2004, 10 pages.	<input type="checkbox"/>
	41	Brochure: "Carreker — Payments Technology", Carreker Corporation, 2005, 2 pages.	<input type="checkbox"/>
	42	Article: BUNGE, "Statistical Image Quality Assessment: Digital Vs. Microfilm, An iSixSigma Case Study", National City Corp., 2005, 5 pages.	<input type="checkbox"/>
	43	Article: QUICK et al., "Ending Digital Obsolescence", The Society for Imaging Science and Technology, January 20, 2005, 6 pages.	<input type="checkbox"/>
/A.L./	44	Article: DANIEL, "Wachovia Corporation — Case Study, Transaction and Image Archive software makes managing data simple, predictable and reliable", StorageTeck, February 2005, 2 pages.	<input type="checkbox"/>

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/A.L./	45	Article: "Is Outsourcing Check Processing Cost Effective?", Harpreet Arora, Infosys Technologies Limited, March 14, 2005, 4 pages.	<input type="checkbox"/>
	46	Article: BILLS "Viewpointe Scrapping Single-Archive Approach", American Banker, May 06, 2005, 2 pages.	<input type="checkbox"/>
	47	TOM DWYER, publication entitled "Archiving Digital Content With EMC and Mobius Solutions", dated December 2005 from Yankee Group Research, In., www.vankeedrouo.com, published in the U.S.A., 16 pages.	<input type="checkbox"/>
	48	Article: BOLITA, "The Many Tools of Transaction Processing", The Journal of Work Process Improvement, September/October 2006, pages 10-13.	<input type="checkbox"/>
	49	Article: KINCADE, "The New Payments Environment", The Journal of Work Process Improvement, January/February 2008, pages 10-13.	<input type="checkbox"/>
/A.L./	50	Article: KENER, "Taking COLD To The Bank", Document Management /Imaging Installation Review, no date, 1 page.	<input type="checkbox"/>

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Signature	/Samuel J. Haidle/	Date (YYYY-MM-DD)	2012-12-06
Name/Print	Samuel J. Haidle	Registration Number	42619

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L6	41	707/769.ccls. and ((electronic adj document) or (digital adj imag\$3)) same (business or enterprise or market)	US-PGPUB; USPAT	OR	ON	2012/12/13 20:19
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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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S24	5693	((electronic adj document) or (digital adj imag\$3)) same (business or enterprise or market)	US-PGPUB; USPAT; UPAD	OR	ON	2012/05/21 10:43
S25	145	((electronic adj document) or (digital adj imag\$3)) same (business or enterprise or market) same financial	USPAT; UPAD	OR	ON	2012/05/21 11:04
S26	394	((electronic adj document) or (digital adj imag\$3)) same (business or enterprise or market) same financial	US-PGPUB; USPAT; UPAD	OR	ON	2012/05/21 11:04
S27	1	S26 and 707/769.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2012/05/21 11:05
S28	0	S26 and 707/765.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2012/05/21 11:05
S29	0	S26 and 707/821.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2012/05/21 11:05
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			UPAD			
S31	5	compar\$3 with specific with financial with document with parameter.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2012/05/21 11:07
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S41	140	(financial or business or enterprise) with document same automat\$6 same access\$3 same retriev\$3	US-PGPUB; USPAT; UPAD	OR	ON	2012/05/21 13:49

12/ 13/ 2012 9:15:46 PM
C:\ Users\ alodhi\ Documents\ EAST\ Workspaces\ 12902973.wsp

Application Number 	Application/Control No. 13/272,936	Applicant(s)/Patent under Reexamination SCHULZE ET AL.	
Document Code - DISQ		Internal Document – DO NOT MAIL	

TERMINAL DISCLAIMER	<input type="checkbox"/> APPROVED	<input checked="" type="checkbox"/> DISAPPROVED
Date Filed : 12/06/12	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:

More than 10 practitioners listed in the OATH, see 37 CFR 1.32(c)(3).

Angie Walker

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael D. Schulze et al.

Serial No.: 13/272,936

Group Art Unit: 2162

Filed: October 13, 2011

Examiner: Andalib Ft Lodhi

Attorney Docket No.: 060419.00016

Title: METHOD OF OBTAINING ELECTRONICALLY-STORED
FINANCIAL DOCUMENTS

AMENDMENT

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Dear Sir:

In response to the Official Action mailed on June 6, 2012, please amend the subject application as follows and consider the accompanying remarks.

Amendments to the specification begin on page 2. A complete listing of the claims ever presented in the application begins on page 3. The Remarks being on page 6.

Docket No.: 060419.00016

Continuation of Serial No.: 13/272,936

Amendments to the Specification

Please amend the paragraph beginning at page 1, line 5, as follows;

This patent application is a continuation of U.S. Patent Application Serial No. 12/902,973, now [[_____]] abandoned, which is a continuation of U.S. Patent Application Serial No. 12/489,087 filed on June 22, 2009, now U.S. Patent No. 7,836,067, which is a continuation of U.S. Patent Application Serial No. 11/202,790 filed on August 12, 2005, now U.S. Patent No. 7,552,118, which is a continuation of U.S. Patent Application Serial No. 10/104,541 filed on March 22, 2002, now U.S. Patent No. 6,963,866, which is a continuation of U.S. Patent Application Serial No. 09/548,490 filed on April 13, 2000, now U.S. Patent No. 6,446,072, which in turn claims priority to and all the advantages of United States Provisional Patent Application Serial No. 60/129,021, which was filed on April 13, 1999.

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. - 22. (Cancelled).

23. (Previously Presented) A method of obtaining an electronically-stored financial document from one of a first storage system and a second storage system with the first and second storage systems being different from each other wherein the first and second storage systems each include a plurality of financial documents stored therein and wherein each of the financial documents is associated with at least one specific document parameter, said method comprising the steps of:

storing a plurality of financial documents in a first fixed medium at the first storage system when the specific document parameter of the financial document is greater than a predetermined parameter;

storing a plurality of financial documents in a second fixed medium at the second storage system when the specific document parameter of the financial document is less than or equal to the predetermined parameter;

utilizing a computer terminal connected to the first and second storage systems through a processing unit;

submitting a request for at least one of the stored financial documents into the computer terminal;

comparing the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter after the request has been submitted;

at least partially automatically accessing the first storage system through the processing unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when

the specific document parameter is less than or equal to the predetermined parameter;
and

retrieving the requested financial document, as defined by the submitted request, in the first fixed medium when the specific document parameter is greater than the predetermined parameter and in the second fixed medium when a specific document parameter of the financial document is less than or equal to the predetermined parameter.

24. (Previously Presented) A method as set forth in claim 23 wherein the first and second fixed mediums are different from each other.

25. (Previously Presented) A method as set forth in claim 24 wherein the step of storing a plurality of financial documents in a first fixed medium is further defined as storing a plurality of financial documents on a physical media.

26. (Previously Presented) A method as set forth in claim 25 wherein the step of storing a plurality of financial documents in a second fixed medium is further defined as electronically storing the plurality of financial documents in a fixed electronic medium.

27. (Previously Presented) A method as set forth in claim 24 wherein the step of storing a plurality of financial documents in a first fixed medium is further defined as electronically storing the plurality of financial documents in a fixed electronic medium.

28. (Previously Presented) A method as set forth in claim 27 wherein the step of storing a plurality of financial documents in a second fixed medium is further defined as storing a plurality of financial documents on a physical media.

Continuation of Serial No.: 13/272,936

29. (Previously Presented) A method as set forth in claim 23 wherein the first and second fixed mediums are the same.

30. (Previously Presented) A method as set forth in claim 23 wherein the step of accessing the first and second storage systems is further defined as accessing only one of the storage systems at any one time to locate the requested financial document.

Remarks

The specification has been amended to update the status of the parent application. No new matter is being introduced.

After entry of the subject preliminary amendment, claims 23-30 will remain pending in the application with only claim 23 being in independent form. The claims remain unchanged and are being provided for the Examiner's convenience.

Claim 23 stands provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 7,836,067. As noted by the Examiner on Page 3 of the Official Action, a timely filed Terminal Disclaimer overcomes an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting patent is commonly owned. A suitable Terminal Disclaimer is being filed concurrently herewith. As evidenced by the assignment records at the U.S. Patent Office, the subject application and U.S. Patent No. 7,836,067 are commonly owned by Mirror Imaging LLC.

Regarding the Examiner's comments on Page 5 of the Official Action, the Applicant is confused by these statements. The Examiner states that the "issue of priority under 35 U.S.C. 102(g) and possibly 35 U.S.C. 102(f) of this single invention must be resolved". The Examiner also states that "the assignee is required to state which entity is the prior inventor of the conflicting subject matter".

In response, the Applicant notes that both the subject application and U.S. Patent No. 7,836,067 (as well as all of the other patents and applications in this family) have the same inventive entity and are both assigned to Mirror Imaging LLC. In addition, 35 U.S.C. 102(f) addresses the issue of having someone listed as an inventor who did not actually invent the subject matter sought to be patented. Applicants confirm that both Michael D. Schulze and Richard D. Gagnon did in fact invent the subject matter being sought in the claims of the subject application. Finally, 35 U.S.C. 102(g) addresses situations in which an interference is initiated. As mentioned above, the subject application and U.S. Patent No. 7,836,067 have the same inventive entity and are

Continuation of Serial No.: 13/272,936

commonly assigned to Mirror Imaging LLC. As such, 35 U.S.C. 102(g) is not applicable.

It is respectfully submitted that the Application, as amended, is now presented in condition for examination. The Commissioner is authorized to charge our Deposit Account No. 08-2789 for any fees or credit the account for any overpayment.

Respectfully submitted,

HOWARD & HOWARD ATTORNEYS PLLC

Date: December 6, 2012

/Samuel J. Haidle/

Samuel J. Haidle, Registration No. 42,619

450 West Fourth Street

Royal Oak, MI 48067-2557

(248) 723-0334

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael D. Schulze et al.

Serial No.: 13/272,936

Filed: October 13, 2011

Group Art Unit: 2624

Examiner: To Be Assigned

For: METHOD OF OBTAINING AN ELECTRONICALLY-STORED
FINANCIAL DOCUMENT

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 AND 1.98

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.97 and 37 CFR 1.98 and in compliance with 37 CFR 1.56, Applicant hereby makes of record the patents, publications, or other information listed on the attached Form PTO/SB/08A. Applicant respectfully requests that the Office consider the patents, publications, or other information and make these of record in the subject application.

The above identified patent application is being or was filed after June 30, 2003, such that copies of each cited U.S. Patent and each cited U.S. Patent Application Publication are not required to be submitted, see 37 CFR 1.98(a)(2)(ii). None of the patents, publications, or other information being provided discloses the inventive concepts claimed in the subject application.

Under 35 U.S.C. §120, this application relies on the earlier filing date of prior Application No. 12/902,973, filed on October 12, 2010, which in turn relies on the earlier filing date of prior Application No. 12/489,087, filed on June 22, 2009, now Patent No. 7,836,067. The references listed on Form PTO/SB/08A were submitted to and/or cited by the Office during the prosecution of the '067 patent. In addition, the information disclosure

statement submitted in the earlier application complied with 37 CFR 1.98(a) through (c) such that these references are not required to be provided in this application.

As an additional matter, Applicant hereby informs the Examiner and the Office that the subject matter for which a patent is being sought in the subject application was involved in a patent infringement litigation. Specifically, a patent infringement suit was filed on July 29, 2008 in the U.S. District Court for the Eastern District of Texas asserting infringement of two of the parent patents, U.S. Patent Nos. 6,963,866 and 7,552,118, to the subject application. The caption for the suit was Mirror Imaging LLC v. Suntrust Banks, Inc. et al. and the case number was 2:008cv00295. Applicant acknowledges their duty to submit any “material information” arising from this litigation in accordance with MPEP 2001.06(c). Much of the information listed on the subject PTO/SB/08A form was developed as part of this litigation. Applicant apologizes for the length of the subject Information Disclosure Statement, but this submission is required to satisfy the Applicant’s obligations.

As part of the defenses and/or counterclaims for some of the defendants, these defendants are alleging that the parent patent is invalid and/or unenforceable due to inequitable conduct, fraud and breach of the duty of candor and good faith before the U.S. Patent Office. Specifically, these defendants allege that the patentee of the parent patent failed to disclose a litigation matter and associated Markman Order involving a grand parent patent, U.S. Patent No. 6,446,072, to the U.S. Patent Office. The briefs, Order and other associated documents relative to this Markman hearing for the grand parent patent are listed.

All of the defendants allege in a separate defense and/or counterclaim that the parent patent is invalid for failure to comply with the patent laws of the United States, including 35 U.S.C. § 101, 102, 103, 112 and/or 120. Some of the defendants have recently provided further information to substantiate this defense and/or counterclaim. To the best of Applicant’s knowledge, any and all non-confidential publications in the Applicant’s possession that may be material to patentability of the subject patent application are being cited in the subject Information Disclosure. Applicant contends that the claims of the subject patent application are patentable over all of the cited documents.

Applicants also contend that the defendant’s defenses and counterclaims are without merit and have set forth the reasons for this contention in subsequent replies to the court. In April, 2010, the Applicants settled the above mentioned litigation. None of the Applicant’s

U.S. Serial No.: 13/272,936

intellectual property was deemed to be invalid or unenforceable for any reason, including the reasons set forth above.

Also being cited are a number of patents that are of record in the parent patent application. Further, a number of articles, brochures and press releases are being cited. Many of these non-patent documents were published after the filing date of the subject patent application.

The Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and Applicant elects the option to pay the fee set forth in 37 C.F.R. §1.17(p) for submission of this Information Disclosure Statement. Please charge the **\$180.00** fee to Howard & Howard Attorneys PLLC **Deposit Account No. 08-2789**.

In addition to the above, the Commissioner is authorized to charge Howard & Howard Attorneys PLLC Deposit Account No. 08-2789 for any additional fees or credit any overpayment.

Respectfully submitted,

HOWARD & HOWARD ATTORNEYS PLLC

/Samuel J. Haidle/

Samuel J. Haidle, Registration No.: 42,619

450 West Fourth Street

Royal Oak, MI 48067-2557

(248) 723-0334

Dated: December 6, 2012

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13272936
	Filing Date		2011-10-13
	First Named Inventor	Michael D. SCHULZE et al.	
	Art Unit	2624	
	Examiner Name	Andalib Ft Lodhi	
	Attorney Docket Number	060419.00016	

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	2	JP 07-064835	JP	A	1995-03-10	Baba		<input type="checkbox"/>

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		13272936
Filing Date		2011-10-13
First Named Inventor	Michael D. SCHULZE et al.	
Art Unit		2624
Examiner Name	Andalib Ft Lodhi	
Attorney Docket Number		060419.00016

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 34, 24 pages.	<input type="checkbox"/>
	2	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 35, 33 pages.	<input type="checkbox"/>
	3	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 36, 42 pages.	<input type="checkbox"/>
	4	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 37, 26 pages.	<input type="checkbox"/>
	5	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 38, 30 pages.	<input type="checkbox"/>
	6	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 39, 14 pages.	<input type="checkbox"/>
	7	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 40, 16 pages.	<input type="checkbox"/>
	8	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 41, 16 pages.	<input type="checkbox"/>
	9	Chart # 1, Invalidity Contentions for U.S. Pat. No. 6,963,866, 9 pages.	<input type="checkbox"/>
	10	Chart # 2 Invalidity Contentions for U.S. Pat. No. 6,963,866, 10 pages.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13272936
Filing Date	2011-10-13
First Named Inventor	Michael D. SCHULZE et al.
Art Unit	2624
Examiner Name	Andalib Ft Lodhi
Attorney Docket Number	060419.00016

11	Chart # 4, Invalidity Contentions for U.S. Pat. No. 7,552,118, 10 pages	<input type="checkbox"/>
12	English language abstract for JP 03-085649 extracted from the espacenet.com database on 12/5/2012, 9 pages.	<input type="checkbox"/>
13	English language abstract and machine-assisted English translation for JP 07-064835 extracted from the PAJ database on 12/5/2012, 18 pages.	<input type="checkbox"/>

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EXAMINER SIGNATURE

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

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13272936
Filing Date	2011-10-13
First Named Inventor	Michael D. SCHULZE et al.
Art Unit	2624
Examiner Name	Andalib Ft Lodhi
Attorney Docket Number	060419.00016

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☒ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Samuel J. Haidle/	Date (YYYY-MM-DD)	2012-12-06
Name/Print	Samuel J. Haidle	Registration Number	42619

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING
REJECTION OVER A "PRIOR" PATENT**Docket Number (Optional)
060419.00016

In re Application of: Michael D. Schuize et al.

Application No.: 13/272,936

Filed: October 13, 2011

For: Method of Obtaining Electronically-Stored Financial Documents

The owner*, Mirror Imaging, L.L.C., of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of **prior patent** No. 7,836,067 as the term of said **prior patent** is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the **prior patent** are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the **prior patent**, "as the term of said **prior patent** is presently shortened by any terminal disclaimer," in the event that said **prior patent** later:

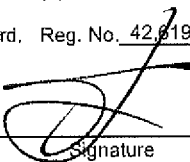
- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

Check either box 1 or 2 below, if appropriate.

1. ☐ For submissions on behalf of a business/organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the business/organization.

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.

2. ☒ The undersigned is an attorney or agent of record. Reg. No. 42,819



December 6, 2012

Date

Samuel J. Haidle
Typed or printed name

248-723-0334
Telephone Number

- ☒ Terminal disclaimer fee under 37 CFR 1.20(d) included.

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Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

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Electronic Patent Application Fee Transmittal

Application Number:	13272936			
Filing Date:	13-Oct-2011			
Title of Invention:	Method of Obtaining An Electronically-Stored Financial Document			
First Named Inventor/Applicant Name:	Michael D. Schulze			
Filer:	Samuel Jeffrey Haidle/Julie Barber			
Attorney Docket Number:	060419.00016			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Statutory or terminal disclaimer	1814	1	160	160
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension - 3 months with \$0 paid	1253	1	1290	1290
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				1630

Electronic Acknowledgement Receipt

EFS ID:	14405642
Application Number:	13272936
International Application Number:	
Confirmation Number:	9130
Title of Invention:	Method of Obtaining An Electronically-Stored Financial Document
First Named Inventor/Applicant Name:	Michael D. Schulze
Customer Number:	27305
Filer:	Samuel Jeffrey Haidle/Julie Barber
Filer Authorized By:	Samuel Jeffrey Haidle
Attorney Docket Number:	060419.00016
Receipt Date:	06-DEC-2012
Filing Date:	13-OCT-2011
Time Stamp:	17:56:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 1630
RAM confirmation Number	5379
Deposit Account	082789
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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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			3495d21c6a614a45f2c18eafc7dc6d8551ae404c		
	Multipart Description/PDF files in .zip description				
	Document Description	Start	End		
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1		
	Specification	2	2		
	Claims	3	5		
	Applicant Arguments/Remarks Made in an Amendment	6	7		
Warnings:					
Information:					
2	Transmittal Letter	IDSLetter.pdf	28682	no	3
			4c8e03842f284e26d440790eb2b531d4b18df0db		
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Form (SB08)	PART_1_updated_IDS.pdf	618849	no	16
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Warnings:					
Information:					
4	Information Disclosure Statement (IDS) Form (SB08)	PART_2_updated_IDS.pdf	616063	no	8
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Page 92

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8	Information Disclosure Statement (IDS) Form (SB08)	PART_6_updated_IDS.pdf	613089 82b8cdcdca2c508fe768b9a2e7b01f9769b6ffc2d9	no	5
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9	Terminal Disclaimer Filed	sb0026.pdf	53827 e57361fa3107597d4b9607a26366959dd576dad5	no	1
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10	Fee Worksheet (SB06)	fee-info.pdf	33577 04092bc1b209de3855e056e474e337f17a5fead6	no	2
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National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13272936	
	Filing Date		2011-10-13	
	First Named Inventor	Michael D. SCHULZE et al.		
	Art Unit	2624		
	Examiner Name	Andalib Ft Lodhi		
	Attorney Docket Number	060419.00016		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		13272936
Filing Date		2011-10-13
First Named Inventor	Michael D. SCHULZE et al.	
Art Unit	2624	
Examiner Name	Andalib Ft Lodhi	
Attorney Docket Number	060419.00016	

1	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 25, 12 pages.	<input type="checkbox"/>
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8	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 32, 13 pages.	<input type="checkbox"/>
9	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 33, 23 pages.	<input type="checkbox"/>
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11	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 35, 25 pages.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		13272936
Filing Date		2011-10-13
First Named Inventor	Michael D. SCHULZE et al.	
Art Unit	2624	
Examiner Name	Andalib Ft Lodhi	
Attorney Docket Number	060419.00016	

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16	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 40, 9 pages.	<input type="checkbox"/>
17	Final Chart: "Invalidity Contentions for U.S. Pat. No. 7,552,118, Chart # 41, 9 pages.	<input type="checkbox"/>
18	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 1, 28 pages.	<input type="checkbox"/>
19	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 2, 23 pages.	<input type="checkbox"/>
20	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 3, 25 pages.	<input type="checkbox"/>
21	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 4, 23 pages.	<input type="checkbox"/>
22	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 5, 25 pages.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		13272936
Filing Date		2011-10-13
First Named Inventor	Michael D. SCHULZE et al.	
Art Unit	2624	
Examiner Name	Andalib Ft Lodhi	
Attorney Docket Number	060419.00016	

23	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 6, 26 pages.	<input type="checkbox"/>
24	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 7, 22 pages.	<input type="checkbox"/>
25	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 8, 19 pages.	<input type="checkbox"/>
26	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 9, 24 pages.	<input type="checkbox"/>
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28	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 11, 33 pages.	<input type="checkbox"/>
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30	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 13, 18 pages.	<input type="checkbox"/>
31	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 14, 35 pages.	<input type="checkbox"/>
32	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 15, 20 pages.	<input type="checkbox"/>
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		13272936
Filing Date		2011-10-13
First Named Inventor	Michael D. SCHULZE et al.	
Art Unit	2624	
Examiner Name	Andalib Ft Lodhi	
Attorney Docket Number	060419.00016	

34	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 17, 22 pages,	<input type="checkbox"/>
35	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 18, 22 pages.	<input type="checkbox"/>
36	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 19, 24 pages.	<input type="checkbox"/>
37	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 20, 30 pages.	<input type="checkbox"/>
38	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 21, 28 pages.	<input type="checkbox"/>
39	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 22, 32 pages.	<input type="checkbox"/>
40	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 23, 17 pages.	<input type="checkbox"/>
41	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 24, 28 pages.	<input type="checkbox"/>
42	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 25, 22 pages.	<input type="checkbox"/>
43	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 26, 22 pages.	<input type="checkbox"/>
44	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 27, 24 pages.	<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	13272936
	Filing Date	2011-10-13
	First Named Inventor	Michael D. SCHULZE et al.
	Art Unit	2624
	Examiner Name	Andalib Ft Lodhi
	Attorney Docket Number	060419.00016

45	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 28, 31 pages.	<input type="checkbox"/>
46	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 29, 24 pages.	<input type="checkbox"/>
47	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 30, 32 pages.	<input type="checkbox"/>
48	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 31, 23 pages.	<input type="checkbox"/>
49	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 32, 18 pages.	<input type="checkbox"/>
50	Exhibit Chart: Invalidity Contentions for U.S. Pat. No. 6,963,866, Chart # 33, 35 pages.	<input type="checkbox"/>

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13272936
Filing Date	2011-10-13
First Named Inventor	Michael D. SCHULZE et al.
Art Unit	2624
Examiner Name	Andalib Ft Lodhi
Attorney Docket Number	060419.00016

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☒ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Samuel J. Haidle/	Date (YYYY-MM-DD)	2012-12-06
Name/Print	Samuel J. Haidle	Registration Number	42619

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	Filing Date		2011-10-13
	First Named Inventor	Michael D. SCHULZE et al.	
	Art Unit	2624	
	Examiner Name	Andalib Ft Lodhi	
	Attorney Docket Number	060419.00016	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	4888812		1989-12-19	Dinan et al.	
	2	4899299		1990-02-06	MacPhail	
	3	4941125		1990-06-10	Boyne	
	4	5170466		1992-12-08	Rogan et al.	
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10	5339311		1994-08-16	Turner	
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	1	20010011336	A1	2001-08-02	Sitka et al.	

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2	20010036324	A1	2001-11-01	Altman	
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	1	PCT International Search Report for PCT/US00/09926 dated 08/22/2000, 1 page.	<input type="checkbox"/>
	2	AFFIDAVIT OF MICHAEL SCHULZE, Mirror Imaging, L.L.C., Plaintiff, v. Affiliated Computer Services, Inc. et al., Defendants: Civil Action No. 02-73629, 07/07/2003, 3 pages.	<input type="checkbox"/>
	3	DECLARATION OF MICHAEL SCHULZE, Mirror Imaging, L.L.C., Plaintiff, v. Affiliated Computer Service, Inc. et al., Defendants: Civil Action No. 02-73629, 08/28/2003, 6 pages.	<input type="checkbox"/>

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4	Plaintiff's Claim Construction Brief for Mirror Imaging, L.L.C. v Affiliated Computer Services, Inc. and ACS Image Solutions, Inc. and Affiliated Computer Services, Inc. v. Mirror Imaging, LLC filed August 29, 2003.	<input type="checkbox"/>
5	DECLARATION OF STEPHEN GRAY, Mirror Imaging, L.L.C., Plaintiff, v. Affiliated Computer Services, Inc. et al., Defendants: Civil Action No. 02-73629, 09/25/2003, 26 pages.	<input type="checkbox"/>
6	COMBINED BRIEF OF AFFILIATED COMPUTER SERVICES, INC. AND ACS IMAGE SOLUTIONS, INC. IN SUPPORT OF THEIR CLAIM CONSTRUCTIONS, Mirror Imaging, L.L.C., Plaintiff, v. Affiliated Computer Services, Inc. et al. Defendants: Civil Action No. 02-73629, 09/29/2003, 25 pages.	<input type="checkbox"/>
7	PLAINTIFF'S REPLY BRIEF TO COMBINED BRIEF OF AFFILIATED COMPUTER SERVICES, INC. AND ACS IMAGE SOLUTIONS, INC. IN SUPPORT OF THEIR CLAIM CONSTRUCTIONS, Mirror Imaging, L.L.C., Plaintiff, v. Affiliated Computer Services, Inc. et al., Defendants: Civil Action No. 02-73629, 10/14/2003, 9 pages.	<input type="checkbox"/>
8	DECLARATION OF CHARLES W. KIGHT, Mirror Imaging, L.L.C. Plaintiff, v. Affiliated Computer Services, Inc. et al., Defendants: Civil Action No. 02-73629, 10/14/2003, 10 pages.	<input type="checkbox"/>
9	CLAIM CONSTRUCTION ORDER, Mirror Imaging, L.L.C. Plaintiff, v. Affiliated Computer Services, Inc., Defendant: Case No. 02-CV-73629- DT, 03/08/2004, 29 pages.	<input type="checkbox"/>
10	BRIEF FOR APPELLANT, Mirror Imaging, L.L.C. Plaintiff-Appellant, v. Affiliated Computers Services, Inc., et al. Defendant-Appellees: Case No. 2:02-CV-73629, 09/17/2004, 22 pages.	<input type="checkbox"/>
11	STIPULATION AND ORDER DISMISSING CERTAIN CLAIMS AND COUNTERCLAIMS, Mirror Imaging, L.L.C. Plaintiff, v. Affiliated Computer Services, Inc. et al., Defendants: Civil Action No. 02-73629, 09/17/2004, 6 pages.	<input type="checkbox"/>
12	AFFILIATED COMPUTER SERVICES, INC. & ACS IMAGE SOLUTIONS, INC.'S, MARKMAN HEARING PRESENTATION, Mirror Imaging, L.L.C. Plaintiff, v. Affiliated Computer services, Inc. et al., Defendant: Civil Action No. 02-73629, no date, 33 pages.	<input type="checkbox"/>
13	ORIGINAL ANSWER AND COUNTERCLAIM OF DEFENDANTS COMPASS BANCSHARES, INC. AND COMPASS BANK, Mirror Imaging, LLC, Plaintiff, v. Suntrust Bank, Inc: et al. Defendants: Civil Action No. 2:08cv-295, 08/25/2008, 10 pages.	<input type="checkbox"/>
14	ORIGINAL ANSWER AND COUNTERCLAIM OF DEFENDANTS FIRST HORIZON NATIONAL CORPORATION AND FIRST TENNESSEE BANK NATIONAL ASSOCIATION, Mirror Imaging, LLC, Plaintiff v. Suntrust Banks, Inc; et al. Defendants, Civil Action No. 2:08cv-295, 08/25/2008, 12 pages.	<input type="checkbox"/>

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15	CULLEN/FROST BANKERS, INC. AND THE FROST NATIONAL BANK'S ANSWER AND COUNTERCLAIMS, Mirror Imaging LLC, Plaintiff v. Suntrust Banks, Inc. et al., Defendants: Civil Action 2:08-CV-295, 08/26/2008, 11 pages.	<input type="checkbox"/>
16	ANSWER AND COUNTERCLAIM OF DEFENDANTS ZIONS BANCORPORATION, ZIONS FIRST NATIONAL BANK AND AMEGY BANK NATIONAL ASSOCIATION TO PLAINTIFF'S ORIGINAL COMPLAINT, Mirror Imaging LLC, Plaintiff, v. Suntrust Banks, Inc., et al. Defendants: Civil Action No. 2:08-CV-295, 09/24/2008, 11 pages.	<input type="checkbox"/>
17	HSBC DEFENDANTS' JOINT ANSWER AND COUNTERCLAIMS TO ORIGINAL COMPLAINT, Mirror Imaging LLC., Plaintiff, v. Suntrust Bank, Inc. et al. Defendants: Civil Action No. 2:08cv00295 DF, 09/24/2008, 22 pages.	<input type="checkbox"/>
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19	Article: ACS 0002294-2297, "Bank Has A Disaster But Survives - Here's How", Journal of The American Bankers Association, Nov. 1972, 5 pages.	<input type="checkbox"/>
20	Publication dated October 1973, Burroughs Clearing House, entitled "Maximum Security For Financial Records", ACS 0001469-71, 3 pages.	<input type="checkbox"/>
21	Publication dated 11/1/1976 from Forbes Magazine entitled "Dozier Willard's Crazy (Like a Fox) Idea".	<input type="checkbox"/>
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23	Publication dated August 1981, from the Communication of ACM Volume 24, Number 8, author Alan Jay Smith of University of California, Berkeley, entitled "Long Term File Migration: Development and Evaluation of Algorithms", JDMI000083-94, pages 521-532.	<input type="checkbox"/>
24	Publication dated 8/15/1989, from Datamation, Vol 35, No. 16, author Jeff Moad, entitled "The Networked Storage Game".	<input type="checkbox"/>
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26	Brochure: ACS0001579-1584, "Dataplex Corporation: An Overview", 1991, 6 pages.	<input type="checkbox"/>
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28	Publication dated 1991, authors Vincent Cate and Thomas Gross, entitled "Combining the Concepts of Compression and Caching for a Two-level File System."	<input type="checkbox"/>
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30	Publication dated 1995, from New Library World, authors Catherine Hare and Graham Southwood, entitled "Getting the Records Straight — Developments in Records Management". Publication dated August 1994 from PC Magazine, author Steve Rigney, entitled "Palindrome HSM: Affordable and Flexible".	<input type="checkbox"/>
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32	Publication dated February 1996, from ACM Transactions on Computer Systems, Vol. 14, No.1, Pages 108-136, authors John Wilkes, Richard Golding, Carl Staelin, and Tim Sullivan of Hewlett-Packard Laboratories, entitled "The HP AutoRAID Hierarchical Storage System.	<input type="checkbox"/>
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34	HOLLY SRAEEL, article entitled "City Holdings Opts For DSI's Image" dated March 1996 from Imaging, published in the U.S.A., 1 page.	<input type="checkbox"/>
35	THIERRY LEGER and DEBRA LEAK, article entitled "IA Corp. Announces New CheckVision Products: New CheckVision Archive Software Supports Short-and Long-Term Check Image Archival With Dynamic, Multi-tiered Migration", dated April 1, 1996, published in the U.S.A.	<input type="checkbox"/>
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37	THIERRY LEGER, DANIELE SWEENEY, JUDITH HARGRAVE and JOANN CURRAN, article entitled "IA Corp. Uses Storage Tek Robotic Library for First Client/Server Check Image Archive at Union Bank of California; New client/server CheckVision Archive Application Stores Millions of Checks Per Day Using StorageTek Technology for Quicker Image Retrieval and On-line Client Viewing", dated October 7, (1996), published in the U.S.A.	<input type="checkbox"/>
38	Publication dated November 4, 1996, from Computerworld, author Alice LaPlante, entitled "Warehouse of Cards".	<input type="checkbox"/>
39	Publication dated 1996, author Daniel A. Menasce, Odysseas I. Pentakalos, and Yelena Yesha, entitled "An Analytic Model of Hierarchical Mass Storage Systems With Network Attached Storage Devices.	<input type="checkbox"/>
40	Article entitled "Trans Financial Bank An Image Success Story Leveraging Technology to Revolutionize Item Processing". From Documents Solutions, a BISYS Company, dated 1996, 7 pages.	<input type="checkbox"/>
41	Presentation: Carreker 0914-923, "Mirror Imaging / ASI / Comerica Meeting" - Wednesday, May 28, 1997, Mirror Imaging, 10 pages.	<input type="checkbox"/>
42	Publication dated March 18, 1998, from Documents Imaging Report, Vol. 8, Issue 6, entitled "Sterling Integrates Storage Archives for Bank Documents".	<input type="checkbox"/>
43	Brochure: "M.I.R.R., Microlmagery Retention and Retrieval", Mirror Imaging, April 16, 1998, 2 pages.	<input type="checkbox"/>
44	User Manual: Carreker 1082-1100, "Information Protection and Retrieval Services", Dataplex Information Services, no date 19 pages.	<input type="checkbox"/>
45	ALISON P. ORENSTEIN, article entitled "City National Bulks Up Its Internet Capability" from Community Bank Systems & Technology, dated May 1998, published in the U.S.A., 1 page.	<input type="checkbox"/>
46	Press Release: MI ACS 00735-736, "Mirror Imaging Announces Record Retention, Retrieval, and Disaster Recovery contract with Firststar Bank", Mirror Imaging LLC July 6, 1998, 2 pages.	<input type="checkbox"/>
47	Article: MI ACS 00737, Marlin, "Firststar Taps Service Provider for Check R&A", Bank Systems +Technology, October 1998, page 56.	<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13272936
	Filing Date		2011-10-13
	First Named Inventor	Michael D. SCHULZE et al.	
	Art Unit	2624	
	Examiner Name	Andalib Ft Lodhi	
	Attorney Docket Number	060419.00016	

	48	Press Release: MI ACS 00738, "Firstar Corporation Listed as Top Performing Bank of 1998", Newsalert.com, Janua 07, 1999, 1 page.	<input type="checkbox"/>
	49	Press Release: MI ACS 00733-734, "Patent Pending For Mirror Imaging's Remote Document Retention, Retrieval, And Disaster Recovery Business Methodology", May 05, 1999, 2 pages.	<input type="checkbox"/>
	50	Article: MI ACS 00739-740, "NPC Check Services, Mirror Mirror...", The Green Sheet, Issue 99:05:02, May 17, 1999, 3 pages.	<input type="checkbox"/>

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- ☒ See attached certification statement.
- ☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ A certification statement is not submitted herewith.

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

Signature	/Samuel J. Haidle/	Date (YYYY-MM-DD)	2012-12-06
Name/Print	Samuel J. Haidle	Registration Number	42619

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	Examiner Name	Andalib Ft Lodhi	
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1	Article: GLADNEY, "A Storage Subsystem for Image and Records Management", IBM System Journal, Vol. 32, No. 3, 1993, pages 512-540, JDMI0000001-29.	<input type="checkbox"/>
2	Article: ISAAC, "Hierarchical Storage Management for Relational Database", Twelfth IEEE Symposium on Mass Storage System, April, 1993, pages 139-144 JDMI0000059-65.	<input type="checkbox"/>
3	Article: GRAF et al., "Application of a Mass Storage System to Science Data Management", Twelfth IEEE Symposium on Mass Storage Systems, April, 1993, pages 191-198, JDMI0000030.	<input type="checkbox"/>
4	Article: LASH, "Requirements for Hierarchical Storage Management at AT&T Bell Laboratories", Twelfth IEEE Symposium on Mass Storage System, April, 1993, pages 19-24. JDMI0000105.	<input type="checkbox"/>
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6	Article: O'NIEL et al., "A Log-Structured History Data Access Method (LHAM)", Sept. 4, 1993, pages 1-9, JDMI0001167-1175.	<input type="checkbox"/>
7	Article: MEHRING, "Demonstration of Dissemination, Storage, and Retrieval of Defense Mapping Agency Digital Products over a Distributed Enterprise Network, SPIE Vo. 2368 Image and Information Systems, 1994, pages 173-182, JDMI0000049-58.	<input type="checkbox"/>
8	Article: SCHLATTER et al., "The Business Object Management System", IBM Systems Journal, Vol. 33, No. 2, 1994. pages 239-263, JDMI0001186-1210.	<input type="checkbox"/>
9	Publication: CINCINNATI BELL INFORMATION SYSTEMS et al., "A Proposal for the Federal Reserve, CBIS, RFP#0729 — Amended May 26, 1994, 307 pages, JDMI0003031-3337.	<input type="checkbox"/>
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12	DEFENDANTS' INVALIDITY CONTENTIONS, Mirror Imaging, LLC, Plaintiff v. Suntrust Bank, INC: et al., Defendants, Civil Action No. 2:08cv295, date 05/15/2009, 36 pages.	<input type="checkbox"/>
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15	Article: LOMET et al., "Access Method For Multiversion Data", Association for Computing Machinery, 1989, pages 315-324 JDMI0001176-1185.	<input type="checkbox"/>
16	Article: PLESUMS et al., "Large-scale Image Systems: USSA case study", IBM System Journal, Vo. 29, No. 3, 1990, pages 343-355, JDMI0002347-2359.	<input type="checkbox"/>
17	Article: PETERSON, "E-System Modular Automated Storage System (EMASS) Software Functionality, IEEE, 1991, pages 73-76, JDMI0002342-2346.	<input type="checkbox"/>
18	Publication: LOMET et al., "Media Recovery with Time-Split B-trees, Cambridge Research Laboratory, Technical Report Series, 10/16/1991, CRL 91/9, 45 pages. JDM10002185-2229.	<input type="checkbox"/>
19	Article: SANDERS et al., "Performance Evaluation of a Picture archiving and communication Network Using Stochastic Activity Networks", IEEE Transactions On Medical Imaging, Vol.12, No. 1, March 1993, pages 21-29, JDMI0000631-641.	<input type="checkbox"/>
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23	Publication: Image Archive Forum, "Image A'rchive Requirements, July 23, 1996, Revision 5, 44 pages, JDMI0004449-4492.	<input type="checkbox"/>
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25	Article: KOLODNY et al., "A Low-Cost, Full-Function Picture Archiving and Communication System Using Standard PC Hardware and the Traditional 4-over-4 Display Format", Computers in Radiology, April 28, 1998, March 1999, pages 591-594.	<input type="checkbox"/>
26	Publication: MIRROR IMAGING, LLC V. SUNTRUST BANKS, INCL, et al., "Mirror Imaging's Claim Construction Presentation", "nbc, nelsonburngardnercastro", 58 pages.	<input type="checkbox"/>
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Filing Date	2011-10-13
First Named Inventor	Michael D. SCHULZE et al.
Art Unit	2624
Examiner Name	Andalib Ft Lodhi
Attorney Docket Number	060419.00016

1	Press Release: MI ACS 00750-752, "Carreker-Antinori, ACS and Eastman Kodak Announce Alliance to Provide Financial Institutions with Internet-based Digitized Check Image Capabilities", Multex Investor Network, May 19, 1999, 3 pages.	<input type="checkbox"/>
2	Press Release: Carreker 0769-772, "Carreker-Antioni, ACS and Eastman Kodak Announce Alliance to Provide Financial Institutions with Internet based Digitized Check Image Capabilities, Carreker-Antinori, May 19, 1999, 4 pages.	<input type="checkbox"/>
3	Article: MI ACS 00731-732, NEWMAN, "Check Retrieval Service Duplicates Banks' Check Fulfillment Departments", The Business Journal, May 31, 1999, 2 pages.	<input type="checkbox"/>
4	Brochure: Mirror Imaging's Patent Pending, Proprietary Solution for Request Fulfillment & Disaster Recovery (Hot Site), Mirror Imaging, July 07, 1999, 2 pages.	<input type="checkbox"/>
5	Article: MI ACS 00753-756, BROOKS, "Bank One's Strategy As Competition Grows: New, Online Institution", The Wall Street Journal, No. 39, August 25, 1999, 4 pages.	<input type="checkbox"/>
6	Article: CARREKER, "Banks and E-Commerce: Transforming Old Economy Practices into New Economy Businesses", Commercial Lending Review, Fall 2000, pages 28-35. Article: PASIECKI, "Now is the Time to Make a Commitment to ECP", American Banker, August 31, 1999, 4 pages.	<input type="checkbox"/>
7	Brochure: "CAPS - Microfilm Products People", Micrographic Sciences Inc., 2000, 2 pages.	<input type="checkbox"/>
8	KRISTI NELSON, article entitled "UBOC Moves to New Check Archive System" from Bank Systems & Technology Issue dated April 2000, published in the U.S.A.	<input type="checkbox"/>
9	On Line Article: "FujiFilm Unveils Three Second-Generation Software Products for its M Drive Microfilm Retrieval System", printed from creativepro.com , April 14, 2000, 4 pages.	<input type="checkbox"/>
10	Press Release: MI ACS 00656, "Check Solutions Company Selected as Archive Vendor for Viewpointe Archive Services", Check Solutions, November 1, 2000, 1 page.	<input type="checkbox"/>
11	Flyer: ACS 0001723-1724, "Vital Record Protection & Retention", Affiliated Computer Services (ACS), 2001, 2 pages.	<input type="checkbox"/>

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12	Report: GRISBY et al., "IBM Content Manger OnDemand, For Customer Service Solutions, An Industry Report", 'merge Consulting, 2001, pages 1-21.	<input type="checkbox"/>
13	Brochure: CheckFree i-Series 4.0 Build or Buy: Comparison of Build versus Buy Methods for Evolving from Paper Bills to e-Billing, CheckFree i-Solutions, 2001, 12 pages.	<input type="checkbox"/>
14	Article: MI ACS 00655, BRUNO, "Leave Automation to Automators", U.S. Banker Buyer's Guide, 2001, 1 page.	<input type="checkbox"/>
15	Article: MI ACS 00784-785, MURPHY, "Talk of the Show: Image Archive", U.S. Banker www.us-banker.com, 2001, 2 pages.	<input type="checkbox"/>
16	On Line Brochure: MI ACS 00912-930, "Welcome to Viewpoint". Viewpoint Archive Services, 2001, 19 pages.	<input type="checkbox"/>
17	Star Chek Press Release:, "Star Check Goes Live With online Check Verification", Dated January 16, 2001, 2 pages.	<input type="checkbox"/>
18	Article: LUKE, "Joint Effort?", BAI Online - Banking Strategies, Vol. LXXVII, No 1, Jan/Feb. 2001, 4 pages.	<input type="checkbox"/>
19	Brochure: "e.Vision Check", AFS - Advanced Financial Solutions, March, 2001, 2 pages.	<input type="checkbox"/>
20	Press Release: MI ACS 00883, "Chase launches i-Vault! image", News Showcase: kasina, March 21, 2001, 1 page.	<input type="checkbox"/>
21	Brochure: MI ACS 00814-830, "Welcome to Viewpoint", Viewpointe Archive Services, 05/22/2001, 16 pages.	<input type="checkbox"/>
22	ImageMark Archive brochure from NCR Corporation, dated 2001, published in the U.S.A, 10 pages.	<input type="checkbox"/>

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23	Brochure: "Silas Technologies' Image Archive Solutions Slashes Wachovia Costs, Transforms Backroom Processes, Front-line Service, e Business", Silas Technologies, Ma 2001, 8 •a•es.	<input type="checkbox"/>
24	Presentation: MI ACS 00786-811, "The Cheque Forum- Pendley Manor Hotel, Tring, Hertfordshire", Viewpointe Archive Services, May 2001, 23 pages.	<input type="checkbox"/>
25	Paper "A Frame Work For Exchanging Image Returns" FRB/Industry Image Returns Task Force, July 2001, 129 pages.	<input type="checkbox"/>
26	Article: MCCOY, "The Checks Stop Here", Sacramento Business Journal, Nov. 18, No. 22, August 10, 2001, 2 pages.	<input type="checkbox"/>
27	Article: KING, "Put Electronic Information to Work for Your Organization", Fronters Check Solutions, Vol. 3, No. 05, September 28, 2001, 2 pages.	<input type="checkbox"/>
28	Press Release: MI ACS 00652-653, "HSBC Selects Viewpointe's National Image Archive For its Enterprise Imaging Strategy", Morningstar.com, December 13, 2001, 2 pages.	<input type="checkbox"/>
29	Brochure: "ANFtechnology - Advanced Network Foldering", Micrographic Sciences, Inc., 2002, 5 pages.	<input type="checkbox"/>
30	Presentation: Micrographic Sciences, Inc., 2002, 19 pages.	<input type="checkbox"/>
31	Bochure: "Check Image Capture Solutions Carreker Corporation 2002, 2 pages.	<input type="checkbox"/>
32	Brochure: "Seed to Benefit - First Tennessee's Fast Track to Imaging", Viewpoint Archive Services 2002, 2 pages.	<input type="checkbox"/>
33	Article: CRAIG et al. "A Shift In Check Clearing and Settlement Technology', Endpoint Exchange, 2002, 2 pages.	<input type="checkbox"/>

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34	Brochure: "The Image Cascade- Tapping into the image processing benefits stream, early and often", Carreker Corporation , 2002, 9 pages.	<input type="checkbox"/>
35	Press Release: MI ACS 00845-847 "Carreker Releases "Near Paperless" Adjustments System, Carreker, January 14, 2002, 3 pages.	<input type="checkbox"/>
36	Press Release: MI ACS 00836, "Banking Consortium Releases Paperless Adjustments System", www.carreker.com, January 15, 2002, 1 page.	<input type="checkbox"/>
37	Star Check Products & Services description of "Enhanced Check verification", retrieved from the Internet on January 16, 2002.	<input type="checkbox"/>
38	Article: DOWDELL, "Image Technology and the Changing Role of Banks", X9 Standard, February 2002, 6 pages.	<input type="checkbox"/>
39	Article: DARWIN, "Big banks, IBM launch venture to speed shift to check imaging", Houston Business Journal, February 28, 2002, 2 pages.	<input type="checkbox"/>
40	Article: TANNENBAUM, " BofA backing pushes check imaging system", American City Business Journals Inc., March 1, 2002, 2 pages.	<input type="checkbox"/>
41	Press Release: MI ACS 00654, "US Patent And Trademark Office Issues Notice Of Allowance For Mirror Imaging's Method of Obtaining an Electronically-Stored Financial Document", March 07, 2002.	<input type="checkbox"/>
42	Press Release: "Carreker's Adjustments / Express In Full Production At Wachovia Corporations's Wilkesboro Site", April 1, 2002, 2 pages.	<input type="checkbox"/>
43	Press Release: MI ACS 00881-882, "JP Morgan Chase and ACS to Provide End-to-End Image Archiving and Retrieval Services", Company News-ACS, April 16, 2002, 2 pages.	<input type="checkbox"/>
44	Article: MI ACS 00902-904, "Check Processing Gets A New Image", BankSystems & Technology May 2002, 3 pages.	<input type="checkbox"/>

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45	Article: BRUNO, "Digital Imaging Picks Up Steam", American Banker Online, May 1, 2002, 4 pages.	<input type="checkbox"/>
46	Press Release: "Zions Bancorporation and NetDeposit Make Strategic Decision to Partner with Viewpoint Archive Services for Check Imaging", May 2, 2002, 2 pages.	<input type="checkbox"/>
47	Article: KINGSON, "Fed Rolling Out Imaging As It Pushes Truncation", American Banker, May 2, 2002, 3 pages.	<input type="checkbox"/>
48	Article: MI ACS 00897-898, MALHOTRA, "U.S. Bancorp Buying Stake In Viewpointe Check Venture", American Banker, May 08, 2002, 2 pages.	<input type="checkbox"/>
49	Press Release: "U.S. Bancorp Makes Strategic Investment and Signs Agreement with Viewpointe to Utilize its Image Archiving Service to Better Serve Customers", May 08, 2002, 1 page.	<input type="checkbox"/>
50	Article: MI ACS 00831-835, MARLIN, "The Right Fit", Bank Systems & Technology, June 03, 2002, 5 pages.	<input type="checkbox"/>

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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Signature	/Samuel J. Haidle/	Date (YYYY-MM-DD)	2012-12-06
Name/Print	Samuel J. Haidle	Registration Number	42619

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1	Article: MARLIN, "The Right Fit - Creation: J.P. Morgan Chase", Bank Systems & Technology, June 03, 2002, 3 pages.	<input type="checkbox"/>
2	Press Release: MI ACS 00844, "Carreker Grants Enterprise License for Archive Software to Viewpointe", CANI : Carreker Corp Company News, June 02, 2002, 1 page.	<input type="checkbox"/>
3	Article: MI ACS 00848-851, JOHNSON et al., "Automated Research Solutions Increase Number of Cases Per Hour from 1 to 8", BankersOnline.com, June 10, 2002, 4 pages.	<input type="checkbox"/>
4	Brochure: ACS 0001725-1727, "ACS Record Center Description and Specifications", June 19, 2002, 3 pages.	<input type="checkbox"/>
5	Article: "Company Interview - Carreker Corporation", The Wall Street Transcript, July 22, 2002, 4 pages.	<input type="checkbox"/>
6	Press Release: "Superregional West Coast Bank Selects CarrekerTechnology To Build In-House Check Image Archive", Carreker Corp August 26, 2002, 3 pages.	<input type="checkbox"/>
7	Article: Looking for Fast, Easy Check Imaging? Try One of Our New FedImage Services", Fed Talk, September 2002, 12 pages.	<input type="checkbox"/>
8	Press Release: MI ACS 00884-885, "Viewpointe To Speed Large Bank Image Projects With AFS eVision Check", Viewpointe Archive Services, October 24, 2002, 2 pages.	<input type="checkbox"/>
9	Article: REES et al., "The Emerging Electronic Payments Economy", The Journal Of Work Process Improvement, December 2002, 2 pages.	<input type="checkbox"/>
10	Article: HOFFMAN, "Imaging Comes of Age", Banking Strategies, 2003, 4 pages.	<input type="checkbox"/>
11	Chart # 5, Invalidity Contentions for U.S. Pat. No. 7,552,118, 8 pages.	<input type="checkbox"/>

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12	Article: "Viewpointe - Forging New Territory", The Exchange, Vol. 1, No. 1, 2003, 5 pages.	<input type="checkbox"/>
13	Brochure: MI ACS 00889-896, " Banking industry benefits from new image archiving model", Viewpointe Archive Service, 2003, 8 pages.	<input type="checkbox"/>
14	Brochure: "The Future of Day 2 Processing", Viewpointe Archive Services, 2003, 3 pages.	<input type="checkbox"/>
15	Report: SIEGMANN et al., "Safekeeping And Electronification In The Financial Services Industry", BITS Financial Services Round Table, January 2003, 19 pages.	<input type="checkbox"/>
16	Brochure: "Banking On The Archive- Defining a Strategic Approach to Managing a Payment Archive", Global Concepts, Spring 2003, 6 pages.	<input type="checkbox"/>
17	Press Release: "Viewpointe and SVPCo to Advance Image Exchange For Financial Services Industry", March 3, 2003, 2 pages.	<input type="checkbox"/>
18	Article: RAGHUNATHAN, "A new look for check processing", The Dallas Morning News, March 03, 2003, 5 pages.	<input type="checkbox"/>
19	Press Release: MI ACS 00886 "Viewpointe teams with check-service firm", Charlotte Business Journal, March 05, 2003, 1 page.	<input type="checkbox"/>
20	Press Release: MI ACS 00887, "Chase Bank Offers Check-Image Service", March 28, 2003, 1 page.	<input type="checkbox"/>
21	Article: "Wells Fargo Chooses Carreker Image Capture and Archive Software", Carreker Corp., April 22, 2003, 2 pages.	<input type="checkbox"/>
22	Article: MEARIAN, MI ACS 00855-858,"Check 21 bill spurs check imaging adoption by banks", Computer World, April 23, 2003, 4 pages.	<input type="checkbox"/>

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23	Brochure: MI ACS 00860-869, 00871-876, "Everyone's Back Office Is Someone Else's Front Office", Carretek, 16 pages.	<input type="checkbox"/>
24	Press Release: MI ACS 00644-645, "Sterling Commerce Selected to Provide Key Element of SVPCo Image Exchange Network", May 07, 2003, 2 pages.	<input type="checkbox"/>
25	Article: MI ACS 00859, CHEN, "ACS settles patent infringement suit", Dallas Business Journal, June 3, 2003, 1 page.	<input type="checkbox"/>
26	Article: COSTANZO, "Banks Busy with Check 21, Even If Congress Isn't", American Banker, June 10, 2003, 3 pages.	<input type="checkbox"/>
27	Brochure: "ITMS - Image & Transaction Management System", RDM Corporation, June 2003, 2 pages.	<input type="checkbox"/>
28	Report: "MSI User Conference", CheckWorks Inc.com, November 17-18, 2003, 5 pages.	<input type="checkbox"/>
29	Article: "SunTrust Implements CheckWorks' Image Batch Retrieval and Batch Store", CheckWorks Inc., November 18, 2003, 2 pages.	<input type="checkbox"/>
30	Article: "CheckWorks Offers Its Batch Software", American Banker, December, 03, 2003, 1 page.	<input type="checkbox"/>
31	Brochure: "Express Research — Overview", Carreker Corporation, 2004, 3 pages.	<input type="checkbox"/>
32	Article: ADAMS, "Direct Access — Nat City's New Image", Bank Technology News, Vol. 17, No. 1, January 2004, 2 pages.	<input type="checkbox"/>
33	Press Release: "Viewpointe Bank Customers Retrieve Over 650 million Check in 2003, Viewpointe, January 13, 2004, 3 pages.	<input type="checkbox"/>

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35	Article: HUNT, "Should Large U.S. Banks Outsource Their Check Processing?", TowerGroup, March 23, 2004, 4 pages.	<input type="checkbox"/>
36	Article: WADE, "Lettko: Many Banks Lack Strategic Check 21 Plan", American Banker, July 2004, 3 pages.	<input type="checkbox"/>
37	Article: FONSECA, "Banks get the picture", eWeek, September 06, 2004, 1 page.	<input type="checkbox"/>
38	Article: STROM, "Banks canceling canceled checks", WorldNetDaily, September 21, 2004, 13 pages.	<input type="checkbox"/>
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44	Article: DANIEL, "Wachovia Corporation — Case Study, Transaction and Image Archive software makes managing data simple, predictable and reliable", StorageTeck, February 2005, 2 pages.	<input type="checkbox"/>

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47	TOM DWYER, publication entitled "Archiving Digital Content With EMC and Mobius Solutions", dated December 2005 from Yankee Group Research, In., www.vankeedrouo.com, published in the U.S.A., 16 pages.	<input type="checkbox"/>
48	Article: BOLITA, "The Many Tools of Transaction Processing", The Journal of Work Process Improvement, September/October 2006, pages 10-13.	<input type="checkbox"/>
49	Article: KINCADE, "The New Payments Environment", The Journal of Work Process Improvement, January/February 2008, pages 10-13.	<input type="checkbox"/>
50	Article: KENER, "Taking COLD To The Bank", Document Management /Imaging Installation Review, no date, 1 page.	<input type="checkbox"/>

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☒ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Samuel J. Haidle/	Date (YYYY-MM-DD)	2012-12-06
Name/Print	Samuel J. Haidle	Registration Number	42619

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

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 13/272,936		Filing Date 10/13/2011		<input type="checkbox"/> To be Mailed	
APPLICATION AS FILED – PART I										
(Column 1)			(Column 2)			SMALL ENTITY <input 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(j))	minus 20 =	*	X \$	=	OR	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))										
			TOTAL			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)			SMALL ENTITY OR		OTHER THAN SMALL ENTITY		
AMENDMENT	12/06/2012	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	OR	RATE (\$)	ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	* 8	Minus	** 20	=	0		X \$62=	0	
	Independent (37 CFR 1.16(h))	* 1	Minus	***3	=	0		X \$250=	0	
<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		OR	TOTAL ADD'L FEE	0	
(Column 1)			(Column 2)			SMALL ENTITY OR		OTHER THAN SMALL ENTITY		
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 \$	=		
	Independent (37 CFR 1.16(h))	*	Minus	***	=		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		OR	TOTAL ADD'L FEE		
<p>* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.</p> <p>** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".</p> <p>*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".</p> <p>The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.</p>										

Legal Instrument Examiner:
/DORRETTA BROOKS/

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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/272,936	10/13/2011	Michael D. Schulze	060419.00016

CONFIRMATION NO. 9130

PUBLICATION NOTICE



OC000000055335465

27305
HOWARD & HOWARD ATTORNEYS PLLC
450 West Fourth Street
Royal Oak, MI 48067

Title:Method of Obtaining An Electronically-Stored Financial Document

Publication No.US-2012-0179715-A1

Publication Date:07/12/2012

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/272,936	10/13/2011	Michael D. Schulze	060419.00016	9130
27305 7590 06/06/2012 HOWARD & HOWARD ATTORNEYS PLLC 450 West Fourth Street Royal Oak, MI 48067			EXAMINER LODHI, ANDALIB FT	
			ART UNIT 2162	PAPER NUMBER
			MAIL DATE 06/06/2012	DELIVERY MODE PAPER

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

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

Office Action Summary	Application No. 13/272,936	Applicant(s) SCHULZE ET AL.	
	Examiner ANDALIB LODHI	Art Unit 2162	

-- 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 13 October 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) 23-30 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) ____ is/are rejected.
- 8) ☒ Claim(s) 23-30 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 13 October 2011 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) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

The instant application 13/272,936, filed 10/13/2011 is a continuation of application 12/902973, filed 10/12/2010, now abandoned which is a CON of 12/489,087 06/22/2009 PAT 7,836,067 which is a CON of 11/202,790 08/12/2005 PAT 7,552,118 which is a CON of 10/104,541 03/22/2002 PAT 6,963,866 which is a CON of 09/548,490 04/13/2000 PAT 6,446,072 which claims benefit of 60/129,021 04/13/1999.

1. The instant application having Application No. 13/272,936 filed on 10/13/2011 has a total of 30 claims pending in the application. Claims 1-22 have been canceled and claims 23-30 newly claim has been added. As a result, claims 23-30, where are 1 independent claim and 7 dependent claims, all of which are presented for examination by the examiner.

Oath/Declaration

2. The applicant's oath/declaration has been reviewed by the examiner and is found to conform to the requirements prescribed in **37 C.F.R. 1.63**.

Drawings

3. The applicant's drawings submitted are acceptable for examination purposes.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent

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and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

See the following chart for claim correspondences:

<u>WHAT IS CLAIMED IS: Application no:13/272936</u>	<u>WHAT IS CLAIMED IS: Patented application no:7836067</u>
<p>23. A method of obtaining an electronically-stored financial document from one of a first storage system and a second storage system with the first and second storage systems being different from each other wherein the first and second storage systems each include a plurality of financial documents stored therein and wherein each of the financial documents is associated with at least one specific document parameter, said method comprising the steps of:</p> <p>storing a plurality of financial documents in a first fixed medium at the first storage system when the specific document parameter of the financial document is greater than a predetermined parameter;</p> <p>storing a plurality of financial documents in a second fixed medium at the second storage system when the specific document parameter of the financial document is less than or equal to the predetermined parameter;</p> <p>utilizing a computer terminal connected to the first and second storage systems through a processing unit;</p> <p>submitting a request for at least one of the stored financial documents into the computer terminal;</p>	<p>1. A method of obtaining an electronically-stored financial document from one of a first storage system and a second storage system with the first and second storage systems being different from each other wherein the first and second storage systems each include a plurality of financial documents stored therein and wherein each of the financial documents is associated with at least one specific document parameter, said method comprising the steps of:</p> <p>storing a plurality of financial documents in a first fixed medium at the first storage system when the specific document parameter of the financial document is greater than a predetermined parameter;</p> <p>storing a plurality of financial documents in a second fixed medium at the second storage system when the specific document parameter of the financial document is less than or equal to the predetermined parameter;</p> <p>utilizing, through a user, a computer terminal connected to the first and second storage systems through a processing unit;</p> <p>submitting a request for at least one of the stored financial documents into the computer terminal;</p> <p>comparing the specific document parameter of the requested financial document to the predetermined</p>

<p>comparing the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter after the request has been submitted; at least partially automatically accessing the first storage system through the processing unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when the specific document parameter is less than or equal to the predetermined parameter; and retrieving the requested financial document, as defined by the submitted request, in the first fixed medium when the specific document parameter is greater than the predetermined parameter and in the second fixed medium when a specific document parameter of the financial document is less than or equal to the predetermined parameter.</p>	<p>parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter after the request has been submitted; accessing the first storage system through the processing unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when the specific document parameter is less than or equal to the predetermined parameter; and retrieving the requested financial document, as defined by the submitted request, in the first fixed medium when the specific document parameter is greater than the predetermined parameter and in the second fixed medium when a specific document parameter of the financial document is less than or equal to the predetermined parameter.</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

4. Claim 23 is provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims **1** in the patented application no: 7836067. Although the conflicting claims are not identical, they are not patentably distinct from each other because it is obvious to one of the ordinary skill in the art, that the broader language of claim **23** of the instant application 13/272936, where (at least partially automatically accessing the first storage system through the processing unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when the specific document parameter is less than or equal to the predetermined parameter) will read on the language of grater scope of claims 1 in the patented application no: 7836067, which disclose (accessing the first storage system through the processing

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unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when the specific document parameter is less than or equal to the predetermined parameter).

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claim 1 is directed to the obviousness-type double patenting invention as that of claim 1 of commonly assigned patented application no. 7836067. The issue of priority under 35 U.S.C. 102(g) and possibly 35 U.S.C. 102(f) of this single invention must be resolved.

Since the U.S. Patent and Trademark Office normally will not institute an interference between applications or a patent and an application of common ownership (see MPEP Chapter 2300), the assignee is required to state which entity is the prior inventor of the conflicting subject matter. A terminal disclaimer has no effect in this situation since the basis for refusing more than one patent is priority of invention under 35 U.S.C. 102(f) or (g) and not an extension of monopoly.

Allowable Subject Matter

5. Claims 23-30 are allowed over the prior art of record. The following is the Examiner's statement of reasons for the indication of allowable subject matter:

Reference Bailochan Behera (US 5187750 A) discloses "The correlated locational and

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identification data are sorted into a sequential index list based on the identification indicia of each document. The sequential index list is then used to print out copies of selected document digital image data in human recognizable form". However, the prior art of record fail to explicitly disclose wherein *'comparing the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter after the request has been submitted; at least partially automatically accessing the first storage system through the processing unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when the specific document parameter is less than or equal to the predetermined parameter'* as recited in independent claim 23 in combination with the other limitations of the claims, was not disclosed by, would not have been obvious over, nor would have been fairly suggested by the prior art of record or that encountered in searching of the prior art.

Therefore, the preceding limitations, when combines with the rest of the claim limitations recited in claim 23, result in a combination of elements that is both novel and unobvious over the prior art of record.

Dependent Claims 24-30 being further limiting to independent Claim 23 definite and enabled by the Specification are also allowed.

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."

Other Prior Art Made of Record

6.. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

7. Doran et al. (U.S. Patent No. 6212303) discloses a method and module system for high speed processing of item images;

Josephson (U.S. Patent No. 5783808) discloses an electronic check presentment system having transaction level reconciliation capability;

Cornelia et al. (U.S. Patent No. 6065026) discloses a multi-user electronic document authoring system with prompted updating of shared language; and

Chowet al. (U.S. Patent No. 6029175) discloses an automatic retrieval of changed files by a network software agent.

Yeskel (U.S. Patent No. 6115509) discloses a high volume document image archive system and method.

Contact Information

8. The examiner requests, in response to this Office action, support be shown for language added to any original claims on amendment and any new claims. That is, indicate support for newly added claim language by specifically pointing to page(s) and line no(s) in the specification and/or drawing figure(s). This will assist the examiner in prosecuting the application.

7. When responding to this office action, Applicant is advised to clearly point out the patentable novelty which he or she thinks the claims present, in view of the state of the art disclosed by the references cited or the objections made. He or she must also show how the amendments avoid such references or objections See 37 CFR 1.111(c).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANDALIB LODHI whose telephone number is (571)270-1759. The examiner can normally be reached on Monday-Friday, 9:00am-4:00pm, EST Alt Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2162

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.

//Andalib F. Lodhi//
Examiner, Art Unit 2162

/Thu-Nguyet Le/
Primary Examiner, Art Unit 2162

Notice of References Cited	Application/Control No. 13/272,936		Applicant(s)/Patent Under Reexamination SCHULZE ET AL.	
	Examiner ANDALIB LODHI		Art Unit 2162	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,187,750	02-1993	Behera, Bailochan	382/140
*	B	US-6,212,303	04-2001	Doran et al.	358/426.16
*	C	US-5,783,808	07-1998	Josephson, Stanley M.	235/379
*	D	US-6,065,026	05-2000	Cornelia et al.	715/202
*	E	US-6,029,175	02-2000	Chow et al.	1/1
*	F	US-6,115,509	09-2000	Yeskel, Filip Jay	382/309
	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.

Search Notes 	Application/Control No. 13272936	Applicant(s)/Patent Under Reexamination SCHULZE ET AL.
	Examiner ANDALIB LODHI	Art Unit 2162

SEARCHED			
Class	Subclass	Date	Examiner
707	754,765,766,769,821	5/21/2012	AL

SEARCH NOTES		
Search Notes	Date	Examiner
EAST Search - see attached	5/21/2012	AL
PLUS Search - see attached	5/21/2012	AL
Google Search - see attached	5/21/2012	AL

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	137	(financial or business or enterprise) with document same automat\$6 same access\$3 same retriev\$3	US-PGPUB; USPAT	OR	ON	2012/05/21 13:47
L2	10	l1 same compar\$3	US-PGPUB; USPAT	OR	ON	2012/05/21 13:47
L3	10	l1 same compar\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/21 13:48
L6	1	"6212303".pn.	US-PGPUB; USPAT	OR	ON	2012/05/21 13:53
L7	1	"5783808".pn.	US-PGPUB; USPAT	OR	ON	2012/05/21 13:53
L8	1	"6065026".pn.	US-PGPUB; USPAT	OR	ON	2012/05/21 13:54
L9	1	"6029175".pn.	US-PGPUB; USPAT	OR	ON	2012/05/21 13:54
L10	1	"6115509".pn.	US-PGPUB; USPAT	OR	ON	2012/05/21 13:54
S1	50	("4882021" "5532928" "5537533" "5586050" "6096096" "6199065" "4245621" "4305005" "4439837" "4630481" "4796755" "4887041" "4958976" "5247575" "5254177" "5254266" "5321816" "5378374" "5457746" "5458768" "5491473" "5661799" "5671364" "5703951" "5784610" "5804804" "5835953" "5842211" "5953051" "5954583" "6021454" "6049787" "6073222" "6085298" "6085168" "6253193" "6341287" "6363488" "6389402" "6397307" "6408348" "6427140" "6446072" "6799165" "6904135" "6963866" "7143062" "7200578" "7206763" "7370792").pn.	US-PGPUB; USPAT	OR	ON	2011/04/05 21:25
S2	4671	(business or enterprise or market) with (check or payment) with process\$3	US-PGPUB; USPAT	OR	ON	2011/04/05 21:26
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S4	11	S2 and 707/769.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/05 21:26
S5	0	S2 and 707/75.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/05 21:26
S6	0	S2 and 707/757.ccls.	US-PGPUB;	OR	ON	2011/04/05

			USPAT			21:27
S7	0	S2 and 707/821.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/05 21:27
S8	70	S2 and 707/999.01.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/05 21:27
S10	0	S2 and 707/999.205.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/05 21:27
S11	6	S2 and 707/999.005.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/05 21:27
S12	0	S2 and 707/E17.069.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/05 21:27
S13	0	S2 and 707/E17.062.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/05 21:27
S14	10253	digital same imag\$3 same (business or enterprise or market)	US-PGPUB; USPAT	OR	ON	2011/04/05 21:29
S15	4813	((electronic adj document) or (digital adj imag\$3)) same (business or enterprise or market)	US-PGPUB; USPAT	OR	ON	2011/04/05 21:29
S16	310	((electronic adj document) or (digital adj imag\$3)) same (business or enterprise or market) same financial	US-PGPUB; USPAT	OR	ON	2011/04/05 21:30
S17	10	((electronic adj document) or (digital adj imag\$3)) same (business or enterprise or market) same financial same compar\$3	US-PGPUB; USPAT	OR	ON	2011/04/05 21:30
S18	4671	(business or enterprise or market) with (check or payment) with process\$3	US-PGPUB; USPAT	OR	ON	2011/04/05 21:32
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S21	5	compar\$3 with specific with financial with document with parameter.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/05/21 11:07
S22	5	compar\$3 with specific with financial with document with parameter.clm.	US-PGPUB; USPAT; DERWENT	OR	ON	2012/05/21 11:27
S23	2	"5187750".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2012/05/21 11:27

5/ 21/ 2012 1:56:35 PM
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<i>Index of Claims</i> 	Application/Control No. 13272936	Applicant(s)/Patent Under Reexamination SCHULZE ET AL.
	Examiner ANDALIB LODHI	Art Unit 2162

✓	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	05/21/2012							
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	3	-							
	4	-							
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	26	✓							
	27	✓							
	28	✓							
	29	✓							
	30	✓							



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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BIB DATA SHEET

CONFIRMATION NO. 9130

SERIAL NUMBER 13/272,936	FILING or 371(c) DATE 10/13/2011 RULE	CLASS 707	GROUP ART UNIT 2162	ATTORNEY DOCKET NO. 060419.00016
APPLICANTS Michael D. Schulze, Troy, MI; Richard J. Gagnon, Grosse Pointe Farms, MI;				
** CONTINUING DATA ***** This application is a CON of 12/902,973 10/12/2010 ABN which is a CON of 12/489,087 06/22/2009 PAT 7,836,067 which is a CON of 11/202,790 08/12/2005 PAT 7,552,118 which is a CON of 10/104,541 03/22/2002 PAT 6,963,866 which is a CON of 09/548,490 04/13/2000 PAT 6,446,072 which claims benefit of 60/129,021 04/13/1999				
** FOREIGN APPLICATIONS *****				
** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 10/26/2011				
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>/ANDALIB FT LODHI/</u> Examiner's Signature	<input type="checkbox"/> Met after Allowance AL Initials	STATE OR COUNTRY MI	SHEETS DRAWINGS 4	TOTAL CLAIMS 8
INDEPENDENT CLAIMS 1				
ADDRESS HOWARD & HOWARD ATTORNEYS PLLC 450 West Fourth Street Royal Oak, MI 48067 UNITED STATES				
TITLE Method of Obtaining An Electronically-Stored Financial Document				
FILING FEE RECEIVED 1380	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	

PLUS Search Results for S/N 13272936, Searched Thu May 17 09:12:00 EDT 2012
The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

4882021 99	7370792 98
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
13/272,936	10/13/2011	2624	1380	060419.00016	8	1

CONFIRMATION NO. 9130

UPDATED FILING RECEIPT



27305
HOWARD & HOWARD ATTORNEYS PLLC
450 West Fourth Street
Royal Oak, MI 48067

Date Mailed: 04/02/2012

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)

Michael D. Schulze, Troy, MI;
Richard J. Gagnon, Grosse Pointe Farms, MI;

Assignment For Published Patent Application

MIRROR IMAGING L.L.C., Southfield, MI

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 12/902,973 10/12/2010 ABN
which is a CON of 12/489,087 06/22/2009 PAT 7836067
which is a CON of 11/202,790 08/12/2005 PAT 7552118
which is a CON of 10/104,541 03/22/2002 PAT 6963866
which is a CON of 09/548,490 04/13/2000 PAT 6446072
which claims benefit of 60/129,021 04/13/1999

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.)

If Required, Foreign Filing License Granted: 10/26/2011

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/272,936**

Projected Publication Date: 07/12/2012

Non-Publication Request: No

Early Publication Request: No

Title

Method of Obtaining An Electronically-Stored Financial Document

Preliminary Class

382

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).

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NOT GRANTED

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 13/272,936				
APPLICATION AS FILED - PART I										
(Column 1)		(Column 2)		SMALL ENTITY		OR 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			N/A	380			
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	620			
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	250			
TOTAL CLAIMS (37 CFR 1.16(j))	8 minus 20 =	*			OR	x 60 =	0.00			
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*				x 250 =	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 \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00			
			TOTAL			TOTAL	1250			
* 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		OR OTHER THAN SMALL ENTITY		
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY		
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	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.										

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael D. Schulze Attorney Docket No.: 060419.00016
Application No.: 13/272,936 Confirmation No.: 9130
Filed: October 13, 2011 Group Art Unit: 2624
Examiner: Not yet assigned
Title: Method of Obtaining An Electronically-Stored Financial Document

**RESPONSE TO NOTICE OF INCOMPLETE REPLY
(NONPROVISIONAL)**

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

Dear Sir:

In response to the Notice of Incompletely Reply mailed on March 7, 2012, submitted herewith is the required replacement Abstract with markings and a clean version (without markings) as set forth in 37 CFR 1.121. The replacement Abstract contains no new matter.

03/30/2012 MTEKLEMI 00000018 082789 13272936

01 FC:1253 710.00 DA

U.S.S.N. 13/272,936

Page 2 of 2

The three month extension fee was paid on February 28, 2012 with the filing of the Response to Notice to File Missing Parts. Applicant believes there are no fees due with this response. However, the Commissioner is hereby authorized to charge any additional fees or credit any overpayments to the undersigned's deposit account 08-2789.

Respectfully submitted,

HOWARD & HOWARD ATTORNEYS PLLC

Dated: _March 23, 2012

/Samuel J. Haidle/

Samuel J. Haidle, Registration No. 42,619

450 West Fourth Street

Royal Oak, MI 48067

(248) 723-0334

Docket No.:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael D. Schulze Attorney Docket No.: 060419.00016
Application No.: 13/272,936 Confirmation No.: 9130
Filed: October 13, 2011 Group Art Unit: 2624
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Respectfully submitted,

HOWARD & HOWARD ATTORNEYS PLLC

Dated: March 23, 2012

/Samuel J. Haidle/

Samuel J. Haidle, Registration No. 42,619

450 West Fourth Street

Royal Oak, MI 48067

(248) 723-0334

METHOD OF OBTAINING AN ELECTRONICALLY- STORED FINANCIAL DOCUMENT

ABSTRACT

5 A method ~~for a bank~~ to obtain an electronically-stored financial document is disclosed. The ~~financial~~ document includes a specific document parameter, such as a record date. The ~~bank maintains the~~ financial document is maintained in an off-site storage system when the record date is later than a pre-selected date and in an on-site storage system when the record date is earlier than or equal to the pre-selected date. The
10 off-site storage system is different ~~remotely located~~ from the on-site storage system. ~~The bank receives and inputs a~~ A request is inputted and compared for the financial document
~~from a client and compares the record date to the pre-selected date~~ to determine if the record date is later than, earlier than, or equal to the pre-selected date. In processing the request, ~~the bank utilizes a computer terminal,~~ connected to the off-site and on-site storage
15 systems through a processing unit, is utilized to access one of the storage systems in response to the comparison of the record date to the pre-selected date. After accessing the appropriate storage system, ~~the bank inputs data into the computer terminal to identify the~~
~~requested financial document and then retrieves~~ the requested financial document is retrieved. ~~The bank then reproduces the requested financial document and distributes the~~
20 ~~requested financial document to the requesting client, or some other end user of the bank.~~

ABSTRACT

A method to obtain an electronically-stored financial document is disclosed. The document includes a specific document parameter, such as a record date. The financial document is maintained in an off-site storage system when the record date is later than a
5 pre-selected date and in an on-site storage system when the record date is earlier than or equal to the pre-selected date. The off-site storage system is different from the on-site storage system. A request is inputted and compared to determine if the record date is later than, earlier than, or equal to the pre-selected date. In processing the request, a computer terminal, connected to the off-site and on-site storage systems through a processing unit, is
10 utilized to access one of the storage systems in response to the comparison of the record date to the pre-selected date. After accessing the appropriate storage system, the requested financial document is retrieved.

Electronic Acknowledgement Receipt

EFS ID:	12383877
Application Number:	13272936
International Application Number:	
Confirmation Number:	9130
Title of Invention:	Method of Obtaining An Electronically-Stored Financial Document
First Named Inventor/Applicant Name:	Michael D. Schulze
Customer Number:	27305
Filer:	Samuel Jeffrey Haidle/Julie Barber
Filer Authorized By:	Samuel Jeffrey Haidle
Attorney Docket Number:	060419.00016
Receipt Date:	23-MAR-2012
Filing Date:	13-OCT-2011
Time Stamp:	17:13:35
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 Response to Pre-Exam Formalities Notice	Response_To_Incomplete_Reply.pdf	18235 b1bdb494f4cfc2e6fae094b3a6d4335a317bbe575	no	2

Warnings:

Information:

2	Abstract	Replacement_Abstract_with_m arkings.pdf	14025 631822adc5807a859942f8bf5228046dd5f3f466	no	1
Warnings:					
Information:					
3	Abstract	Replacement_Abstract__clean _copy.pdf	9508 3e242b0fc379db5ecee0b0beb0d7f9a48e74e43a	no	1
Warnings:					
Information:					
Total Files Size (in bytes):			41768		
<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>					

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 13/272,936			
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			N/A	380		
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	620		
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	250		
TOTAL CLAIMS (37 CFR 1.16(j))	8	minus 20 = *			OR	x 60 =	0.00		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1	minus 3 = *				x 250 =	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 \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							0.00		
							0.00		
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00		
			TOTAL			TOTAL	1250		
* 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		OTHER THAN SMALL ENTITY	
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x
	Application Size Fee (37 CFR 1.16(s))							OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR	
					TOTAL ADD'L FEE			OR	TOTAL ADD'L FEE
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x
	Application Size Fee (37 CFR 1.16(s))							OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR	
					TOTAL ADD'L FEE			OR	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

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Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/272,936	10/13/2011	Michael D. Schulze	060419.00016

CONFIRMATION NO. 9130

FORMALITIES LETTER

27305
HOWARD & HOWARD ATTORNEYS PLLC
450 West Fourth Street
Royal Oak, MI 48067



Date Mailed: 03/07/2012

NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

Filing Date Granted

The U.S. Patent and Trademark Office has received your reply on 02/28/2012 to the Notice to File Missing Parts (Notice) mailed 10/28/2011 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice. A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application. Replies should be mailed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Applicant is given **TWO MONTHS** from the date of the Notice to File Missing Parts (Notice) mailed 10/28/2011 within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

Items Required to Avoid Abandonment:

The required items noted below SHOULD be filed along with any items required above. The filing date of this nonprovisional application will be the date of receipt of the items required above.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- A replacement abstract not exceeding 150 words in length and commencing on a separate sheet in compliance with 37 CFR 1.72(b) and 37 CFR 1.121 is required.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

/tly/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/272,936	10/13/2011	Michael D. Schulze	060419.00016

27305
HOWARD & HOWARD ATTORNEYS PLLC
450 West Fourth Street
Royal Oak, MI 48067

CONFIRMATION NO. 9130
IMPROPER CPOA LETTER



Date Mailed: 03/07/2012

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the Power of Attorney filed 02/28/2012. The Power of Attorney in this application is not accepted for the reason(s) listed below:

- The Power of Attorney you provided did not comply with the new Power of Attorney rules that became effective on June 25, 2004. See 37 CFR 1.32.

/ygenet/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael D. Schulze Attorney Docket No.: 060419.00016
Application No.: 13/272,936 Confirmation No.: 9130
Filed: October 13, 2011 Group Art Unit: 2624
Examiner: Not yet assigned
Title: Method of Obtaining An Electronically-Stored Financial Document

**RESPONSE TO NOTICE TO FILE
MISSING PARTS OF NONPROVISIONAL APPLICATION
Filing Date Granted**

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

Dear Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application mailed on October 28, 2011, submitted herewith is required executed Combined Declaration and Power of Attorney in compliance with 37 CFR 1.63, a substitute specification with markings and a clean version (without markings) as set forth in 37 CFR 1.125(c). The substitute specification contains no new matter.

Applicant is authorizing The Commissioner to charge \$1,940.00 (the required petition fee under 37 CFR 1.16(f) of \$130.00, \$560.00 three month extension of time, \$380.00 statutory filing fee, \$620.00 search filing fee and \$250.00 examination filing fee), to deposit account 08-2789 in the name of Howard and Howard Attorneys PLLC. The Commissioner is hereby authorized to charge any additional fees or credit any overpayments to the undersigned's deposit account 08-2789.

Respectfully submitted,

HOWARD & HOWARD ATTORNEYS PLLC

Dated: February 28, 2012

/Samuel J. Haidle/
Samuel J. Haidle, Registration No. 42,619
450 West Fourth Street
Royal Oak, MI 48067
(248) 723-0334

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR UNITED STATES PATENT APPLICATION**

As a below named inventor, I hereby declare that:

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

I believe I am an **original, first and joint inventor** of the subject matter of which claimed and for which a patent is sought on the invention entitled:

**METHOD OF OBTAINING AN ELECTRONICALLY-
STORED FINANCIAL DOCUMENT**

which is described and claimed in the specification of which:

 X is executed on even date herewith; attorney docket number 60,419-002.

 was filed on _____ as United States Application Serial No.
_____, and was amended on _____; attorney docket number
_____.

I declare that this application is:

 X a first filing.

 a continuation.

 a continuation-in-part.

 a divisional.

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 do not know and do not believe my invention was known or used by others in the United States of America, or patented or described in a printed publication in any country before my invention thereof.

I do not know and do not believe my invention was patented or described in a printed publication in any country or in public use or on sale in the United States of America, more than one year prior to this application.

I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim that no application for patent or inventor's certificate on this invention has been filed in any foreign country or in the United States of America prior to this application by me or my legal representatives or assigns except as follows:

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of the 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 filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

 X no such applications have been filed.

 such applications have been filed as follows:

COUNTRY	APPLICATION NUMBER	DATE OF FILING (month, day, year)	PRIORITY CLAIMED UNDER 37 USC 119
---------	-----------------------	--------------------------------------	-----------------------------------------

Yes No

I hereby claim priority to and all the benefits under Title 35, United States Code, §119(e) of any United States provisional application(s).

 no such applications have been filed.

 X such applications have been filed as follows:

APPLICATION NUMBER	DATE OF FILING (month, day, year)
60/129,021	April 13, 1999

I hereby claim priority to and all the benefits under Title 35, United States Code, §120 of any United States application(s) listed below. If the above identified application is a continuation-in-part application, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this continuation-in-part application in accordance with Title 37, Code of Federal Regulations, Section 1.63(e).

 X no such applications have been filed.

 such applications have been filed as follows:

APPLICATION NUMBER	DATE OF FILING (month, day, year)	STATUS (patented, pending, abandoned)
-----------------------	--------------------------------------	------------------------------------------

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorneys and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith with full power of substitution and revocation. (all names listed with corresponding registration numbers)

Raymond E. Scott	22,981	John E. Carlson	37,794
Theodore W. Olds	33,080	David J. Gaskey	37,139
Harold W. Milton, Jr.	22,180	Jeffrey A. Sadowski	29,005
Kerrie A. Laba	42,777	William H. Honaker	31,623
Samuel J. Haidle	42,619	Randall L. Shoemaker	43,118
William Gottschalk	44,130	Kevin MacKenzie	45,639
David LaPrairie	46,295	David Wisz	46,350
Bharat C. Gandhi	35,146		

Please address all correspondence and telephone calls to:

SAMUEL J. HAIDLE, ESQ.
HOWARD & HOWARD
1400 North Woodward Avenue, Suite 101
Bloomfield Hills, Michigan 48304-2855
(248) 645-1483

DECLARATION

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.

Dated: 4-12-00


Michael D. Schulze

Post Office and
Residence Address:

1607 Kirts
Troy, MI 48084

Citizenship: United States

Dated: 4/12/00.


Richard J. Gagnon

Post Office and
Residence Address:

69 Touraine Road
Grosse Pointe Farms, MI 48236

Citizenship: United States

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/272,936	10/13/2011	Michael D. Schulze	060419.00016

CONFIRMATION NO. 9130

FORMALITIES LETTER



OC000000050623012

27305
HOWARD & HOWARD ATTORNEYS PLLC
450 West Fourth Street
Royal Oak, MI 48067

Date Mailed: 10/28/2011

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$380 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
Note: If a petition under 37 CFR 1.47 is being filed, an oath or declaration in compliance with 37 CFR 1.63 signed by all available joint inventors, or if no inventor is available by a party with sufficient proprietary interest, is required.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- A replacement abstract not exceeding 150 words in length and commencing on a separate sheet in compliance with 37 CFR 1.72(b) and 37 CFR 1.121 is required.
- A substitute specification excluding claims in compliance with 37 CFR 1.52, 1.121(b)(3), and 1.125 is required. The substitute specification must be submitted with markings and be accompanied by a clean version (without markings) as set forth in 37 CFR 1.125(c) and a statement that the substitute specification contains no new matter (see 37 CFR 1.125(b)). Since a preliminary amendment was present on the filing date of the application and such amendment is part of the original disclosure of the application, the substitute specification must include all of the desired changes made in the preliminary amendment. See 37 CFR 1.115 and 1.125.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- A surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.16(f) of **\$130** for a non-small entity, must be submitted.

SUMMARY OF FEES DUE:

Total fee(s) required within **TWO MONTHS** from the date of this Notice is **\$1380** for a non-small entity

- **\$380** Statutory basic filing fee.
- **\$130** Surcharge.
- The application search fee has not been paid. Applicant must submit **\$620** to complete the search fee.
- The application examination fee has not been paid. Applicant must submit **\$250** to complete the examination fee for a non-small entity.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.

<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

/mkibret/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

METHOD OF OBTAINING AN ELECTRONICALLY- STORED FINANCIAL DOCUMENT

RELATED APPLICATIONS

5 This patent application is a continuation of U.S. Patent Application Serial No.
12/902,973, now _____, which is a continuation of U.S. Patent Application
Serial No. 12/489,087 filed on June 22, 2009, now U.S. Patent No. 7,836,067, which is a
continuation of U.S. Patent Application Serial No. 11/202,790 filed on August 12, 2005,
now U.S. Patent No. 7,552,118, which is a continuation of U.S. Patent Application Serial
10 No. 10/104,541 filed on March 22, 2002, now U.S. Patent No. 6,963,866, which is a
continuation of U.S. Patent Application Serial No. 09/548,490 filed on April 13, 2000, now
U.S. Patent No. 6,446,072, which in turn claims priority to and all the advantages of United
States Provisional Patent Application Serial No. 60/129,021, which was filed on April 13,
1999.

15

BACKGROUND OF THE INVENTION

1) TECHNICAL FIELD

 The subject invention relates to a method for a financial institution to obtain
electronically-stored financial documents from an off-site storage system remotely-located
20 from an on-site storage system.

2) DESCRIPTION OF THE PRIOR ART

Methods for obtaining electronically-stored financial documents are generally known in the art. Financial institutions, such as banks and credit unions, utilize such methods to rapidly and efficiently obtain financial documents for distribution to clients
5 upon request. Such financial documents include paid checks, account statements, and other related documents. These financial documents are typically stored on microfiche, microfilm, digitally, or by some other electronic storage means. Further, these financial documents are typically electronically-stored in an on-site storage system located at the financial institution or in an off-site storage system. Electronic storage of these financial
10 documents permits financial institutions to eliminate storage of paper or "hard" copies of these documents. The electronic storage of these documents also provides a means of retrieving the information from the on-site and off-site storage systems.

Once the document is stored, the client may request an image of a particular stored document. Client requests are made to replace lost or stolen documents, for tax purposes,
15 for proof of financial transactions, for legal disputes, and other similar matters. The client's request is inputted into a computer terminal at the financial institution. More specifically, conventional methods for obtaining an electronically-stored financial document enable an employee of the financial institution, such as a bank teller, to input the request into an interface incorporated into the computer terminal. The interface is inter-
20 linked with the on-site storage system. Typically, all requests for a particular period are grouped together and subsequently downloaded for retrieval of the requested image by the

financial institution. The financial institution retrieves the image, e.g. a photocopy of the check, and then distributes the photocopy to the client via facsimile, mail or hand delivery.

The storing, downloading, and retrieving of the financial document, including the reproduction and the distribution of the document, are known in the industry as back office

5 production. Back office production for financial institutions is particularly resource intensive, time consuming, and expensive. Also, back office production becomes increasingly expensive if the client requests a particularly old financial document because older financial documents frequently require more resources and time to locate and retrieve.

10 The majority of financial institutions electronically store financial documents only in an on-site storage system and not in an off-site storage system. Consequently, these financial institutions are unable to outsource the responsibilities for the back office production to third party entities to alleviate the expenses and resources associated with the back office production. These financial institutions realize a significant financial
15 burden since the back office production is concentrated strictly at the financial institution.

Other financial institutions do electronically store financial documents in on-site and off-site storage systems. However, the methods utilized by these financial institutions to access the financial documents stored in the off-site storage system are deficient in that the interface utilized in such methods is only inter-linked with the on-site storage system.

20 That is, there is no interface independently inter-linked with the off-site storage system. As a result, the financial documents stored in the off-site storage system can not be

efficiently accessed. These financial institutions are still responsible for retrieving the requested financial documents through their back office production and their expenses remain high. One such method of retrieving documents from on-site and off-sited storage systems is disclosed in United States Patent No. 5,784,610 to Copeland, III et al.

5 Due to the inefficiencies identified in the conventional methods used by financial institutions to obtain financial documents, it is desirable to implement a method for a financial institution to obtain electronically-stored financial documents from both on-site and off-site storage systems that reduces, if not eliminates, the back office production of the financial institution by providing a direct interface inter-linked with the off-site storage
10 system. With such an interface, the responsibility for retrieving financial documents from the off-site storage can be outsourced to third party entities while still providing the financial institution with efficient access to any financial documents electronically-stored in the off-site storage system.

15 **SUMMARY OF THE INVENTION AND ADVANTAGES**

 A method for a financial institution to obtain electronically-stored financial documents having a specific document parameter is disclosed. The specific document parameter is typically a particular numerical sequence, such as a record date of the financial document. The method of the subject invention enables the financial institution
20 to obtain the financial documents from a first or an off-site storage system. The first or off-site storage system is different from a second or an on-site storage system and is

preferably remotely-located from the second or on-site storage system. In one embodiment, the financial documents of the financial institution are maintained in the first or off-site storage system when the specific document parameter of the financial document is greater than a predetermined parameter. The financial documents that are less than or equal to the predetermined parameter are maintained in the second or on-site storage system. In another embodiment, the specific document parameter of the financial document that is less than or equal to the predetermined parameter is maintained in the first or off-site storage system and the financial document that is greater than the predetermined parameter is maintained in the second or on-site storage system.

When the financial institution receives a request for a financial document, the financial institution compares the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter. A computer terminal located at the financial institution is connected to both the off-site and on-site storage systems through a processing unit. The processing unit is utilized to, at least partially, automatically access one of the storage systems in response to the comparison of the specific document parameter to the predetermined parameter. For instance, if it is determined that the specific document parameter is less than or equal to the predetermined document parameter, then the processing unit accesses the second or on-site storage system. On the other hand, if it is determined that the specific document parameter of the financial document is greater than the predetermined parameter, then the processing unit

accesses the first or off-site storage system. As stated below, the computer terminal may be used to feed a request into the processing unit.

After the requested financial document is accessed, the requested document is then retrieved in order to reproduce the financial document, and distribute the financial
5 document to an end user of the financial institution.

The subject invention therefore provides a method that enables financial institutions to obtain electronically-stored financial documents from on-site and off-site storage systems. As such, the financial institution can selectively store financial documents in either an on-site storage system or the off-site storage system, and the
10 responsibility for the financial documents in the on-site or off-site storage systems can be outsourced to a third party entity. Further, the documents can be stored in different fixed mediums, such as microfiche, microfilm, digitally, electronically, etc., and can be stored in different geographical locations. Therefore, the back office production of the financial institution associated with the retrieval and distribution of financial documents stored in
15 the on-site or off-site storage systems is strategically reduced or even completely eliminated.

BRIEF DESCRIPTION OF THE DRAWINGS

Other advantages of the present invention will be readily appreciated as the same becomes better understood by reference to the following detailed description when considered in connection with the accompanying drawings wherein:

5 Figure 1 is a flow diagram schematically detailing an on-site storage system, and an off-site storage system in accordance with the subject invention;

 Figure 2 is a block diagram generally representing a method for a financial institution to obtain electronically-stored financial documents from the on-site and off-site storage systems;

10 Figure 3 is a block diagram completing the method of obtaining electronically-stored financial documents from the on-site storage system; and

 Figure 4 is a block diagram completing the method of obtaining electronically-stored financial documents from the off-site storage system.

15 **DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT**

 Referring to the Figures, wherein like numerals indicate like or corresponding parts throughout the several views, a method for a financial institution to obtain an electronically-stored financial document is schematically shown at 10 in Figure 1. The method introduced in the subject invention enables the financial institution to obtain the
20 financial document from one of a first or an off-site storage system and a second or an on-site storage system with the storage systems being different from each other. Preferably,

the on-site storage system is located at the financial institution and the off-site storage system is located at a remote location distant from the financial institution. This allows the financial institution to 'outsource' the responsibilities associated with obtaining the financial document.

5 Methods for financial institutions to obtain electronically-stored documents are frequently used by such entities as banks, credit unions, and other financially-oriented institutions. For illustrative purposes only, the description of the subject invention is discussed with reference to banks. However, as appreciated by those skilled in the art, other businesses, such as insurance companies, may also utilize similar methods and
10 incorporate the aspects of the subject invention.

 Methods for banks to obtain electronically-stored financial documents are generally used by banks to rapidly and efficiently obtain financial documents for distribution to clients upon request. As described above, the financial documents for banks are usually paid checks, checking statements, and other related financial documents, and these
15 documents include at least one specific document parameter. As appreciated by those skilled in the art, it is not the financial document (e.g. the paid check) itself that is electronically-stored. Rather, it is data included on the document such as a sequence number that is electronically stored to make up the financial document. The specific document parameter is preferably a particular numerical sequence. As appreciated, the
20 specific document parameter of the financial document can include, but is not limited to, a record date or age of the document, a series number, or some other document identifying

number of the financial document. More specifically, in the preferred embodiment of the subject invention, the particular numerical sequence of the financial document is the record date of the financial document. That is, the date that the particular financial document was created or posted.

5 The financial documents are typically stored on microfiche, microfilm, digitally, or by some other electronic storage means. As appreciated, the electronic storage of the financial documents is frequently created by taking an electronic photo image of the document and storing the photo image in a computer system. One such digital electronic storage device is sold by Kodak under the name of *IMAGELINKTM* Digital Workstation
10 (IDW). Electronic storage of these financial documents permits banks to eliminate storage of paper or "hard" copies of these documents. The electronic storage of these documents also provides an efficient means of retrieving the information from the on-site and off-site storage systems. This will be discussed further herein below.

As described above, the financial documents are electronically-stored in either the
15 on-site storage system located at the bank or in the off-site storage system remotely located from the on-site storage system. More specifically, the subject invention includes the step of maintaining the financial documents in the off-site storage system when the specific document parameter of the financial document is greater than a predetermined parameter. Financial documents are maintained in the on-site storage system when the specific
20 document parameter of the financial document is less than or equal to the predetermined parameter. As appreciated, the document parameter of the financial documents stored in

the off-site storage system may be greater than or equal to the predetermined parameter with the on-site storage system having documents only less than the predetermined parameter.

Similar to the specific document parameter of the financial document, the predetermined parameter is also a numerical value. The predetermined parameter is specifically a numerical value predetermined by the bank. For instance, if the specific document parameter is a series number of a paid check and the series number is greater than the predetermined parameter which, in this case, would be an arbitrarily selected base series number, then the paid check would be stored in the off-site storage system.

In the preferred embodiment of the subject invention, the predetermined numerical value is a date pre-selected by the bank. For instance, the bank may pre-select a date that is one year before a current date—the current date being the actual date that the client requests the financial document. Of course, the bank may pre-select a date that is some other time period before a current date (e.g. two or three years) without varying from the scope of the subject invention. As such, if the record date of the particular financial document is older than one year, then the particular financial document is maintained in the off-site storage system. If the record date of the particular financial document is earlier than or equal to one year, then the particular financial document is maintained in the on-site storage system. As discussed above, the document having record dates equal to the one year may be stored in the off-site or on-site storage systems.

Once the financial document is maintained in the appropriate storage system, the bank is capable of receiving a request for the financial document from the client. In reality, the client is requesting an image of the stored financial document. As appreciated, clients request the image for various reasons. As discussed above, requests are typically
5 made for replacing lost or stolen financial documents, for tax purposes, for proof of financial transactions, for legal disputes, and other similar matters. Ultimately, the bank retrieves the image, reproduces the image, and distributes the reproduced image to the requesting client of the bank.

Referring now to Figure 1, the method for banks to obtain electronically-stored
10 financial documents is discussed in detail in accordance with a general scope of the subject invention. Initially, the requesting client requests a particular financial document, such as a paid check. The client is typically a customer of the bank or other financial institution. The client's request is inputted into a computer terminal 11 at the financial institution. The computer terminal 11 will be discussed in more detail hereinbelow.

15 From the computer terminal 11, the request is fed into a processing unit 12, which is illustrated as a mainframe computer 12 at the bank. In the preferred embodiment of the subject invention, if the client requests a financial document having a record date earlier than or equal to one year before the current date, then the request, and other requests like it, are processed at the bank in the on-site storage system. That is, the requests are grouped
20 together and downloaded to a downloading terminal 14 at the bank. The downloading may occur at particular intervals such as at the end of each day, every three hours, etc. The

sequence number of each check requested is then determined. A document terminal 16 subsequently creates or reproduces the document, i.e., a photocopy of the check. The photocopy is then distributed to the client via facsimile, mail, or hand delivery.

It is known in the art that the majority of requests for financial documents are requests for documents which were created in the most recent year. That is, if the pre-selected date is one year before the current date, as in the preferred embodiment, then the majority of requests are seeking financial documents having a record date earlier than or equal to the pre-selected date. The remaining document requests relate to financial documents that are older than one year. Since, as described in the Background of the Invention, retrieval of financial documents that are older than one year is particularly expensive, the preferred embodiment of the subject invention outsources all of the document requests which relate to documents having a record date later than one year before the current date. As appreciated, the particular time frame which is outsourced is not a critical feature of the subject invention and may be adjusted to meet the needs of any particular financial institution. In fact, all of the document requests, including the most recent, may be outsourced using the outsourcing procedure of the subject invention.

In the preferred embodiment, if the client requests a financial document having a record date later than one year before the current date, then the request, and others like it, are grouped together and downloaded from the mainframe computer 12 to an outsourced downloading terminal 18. As above, the downloading may be at particular intervals as needed. The sequence number is determined by a sequencing terminal 20. The sequence

number is then sent back to the outsourced downloading terminal 18. An outsourced document terminal 22 then creates or reproduces the desired document which is then distributed to either the client or the bank. As appreciated, two document retrieval operations, one for the bank to retrieve financial documents having record dates earlier than
5 or equal to one year before the current date, and another to retrieve outsourced financial documents having record dates later than one year before the current date, preferably operate simultaneously. It is to be understood that the computer terminals and the accompanying PC bases are illustrated highly schematically in Figure 1 and are not intended to be limiting in any manner. For instance, the schematic illustration of the outsourced document terminal 22
10 need not include a computer terminal and an accompanying PC base. Instead, the outsourced document terminal 22 is preferably some sort of printing device.

Referring to Figures 2 through 4, the method for banks to obtain electronically-stored financial documents is described in even greater detail. The request is first generated by the client. The request is then processed by the bank. The processing,
15 retrieval and reproduction of the requested financial document is typically controlled by one interlinked computer software program. One such computer software program is a software program called Antinori Software Incorporated or ASI which is sold under the name of *INNOVASIONTM* by Carreker-Antinori of Dallas, Texas. However, other frequently used software programs include *PEGATM* and *SterlingTM*. Any of these computer software systems
20 can provide the necessary means for implementing the discussed procedures.

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The processing of the request is completed by a customer service tracking system and the computer terminal 11. The customer service tracking system assists the financial institution in receiving the request. More specifically, the customer service tracking system gives branches, customer service, and other bank departments the capability to enter, 5 log, track, route and monitor the status of all requests for financial documents. The customer service tracking system also provides the capability to enter, log, track, route and monitor the status of customer complaints and other customer service related items.

In accordance with one contemplated embodiment of the invention, a bank employee, such as a bank teller first determines a status of the requested document. More 10 specifically, the employee compares the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter. If the specific document parameter is a particular numerical sequence and the predetermined parameter is a predetermined numerical value, then the employee compares the particular 15 numerical sequence of the financial document to the predetermined numerical value to determine if the particular numerical sequence is greater than, less than, or equal to the predetermined numerical value. Further, if as in the preferred embodiment, the particular numerical sequence is a record date of the financial document, and the predetermined numerical value is a pre-selected date, then the employee compares the record date of the 20 financial document to the pre-selected date to determine if the record date is later than, earlier than, or equal to the pre-selected date.

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The customer service tracking system enables a bank employee, such as a bank teller, to submit the request. More specifically, the employee utilizes the computer terminal 11 located at the bank and connected to both the off-site and on-site storage systems to access one of the storage systems in response to the comparison of the specific document parameter of the requested financial document to the predetermined parameter. For instance, when the particular numerical sequence of the financial document is greater than the predetermined numerical value, the employee preferably utilizes the computer terminal 11 to access the off-site storage system, and when the particular numerical sequence of the financial document is less than or equal to the predetermined numerical value, the employee preferably utilizes the computer terminal 11 to access the on-site storage system. As discussed above, the documents have a numerical sequence equal to the predetermined numerical value may be stored in either the off-site or on-site storage systems.

After the computer terminal 11 is utilized to access the desired storage system, the employee manually inputs identification data of the requested financial document into the computer terminal 11. More specifically, when the particular numerical sequence of the financial document is less than or equal to the predetermined numerical value, the employee inputs identification data into a primary interface and selects the requested document. Also, the primary interface preferably provides an option for the employee to select among several different output formats. The primary interface is inter-linked with the on-site storage system. In the preferred embodiment of the subject invention, the primary interface appears as follows and includes the identification data detailed below:

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Account Number:		Prod Type:	
Account Name:		Customer Code:	
Address:			
City:	State:	Zip Code:	
Home Phone: ()		Work Phone: ()	
Fax: ()			
Service Code:			
For Items Posted Within A Year			
Copy of Statement Only		Savings Items	
Copy of Check/Deposit Ticket		Misc (G/L, Loans, Teller, Etc)	
Check(s)/Deposit(s)<30 Items		Cash Letter Reconstruction	
Statements and<30 Items		Lockbox	
Statements and>30 Items		Legal Statement Only	
Deposit Reconstruction		Legal Statement and Items	
Regardless of Posting Date			
Missing Transactions		Returned Items	
Online (Backdated/Unposted)Encoding Error/Wrong Account			
<hr/>			
<i>EXIT FUNCTION</i>			

Alternatively, when the particular numerical sequence of the financial document is greater than the predetermined numerical value, the employee selects an exit function at the primary interface. The exit function distinguishes that the request is to be sent to an outsourcing third party entity. Upon selection of the exit function at the primary interface, a secondary interface, inter-linked with the exit function, is initiated. The secondary interface is inter-linked with the off-site storage system. The employee inputs identification data into the secondary interface and selects the requested document. Also,

the secondary interface preferably provides an option for the employee to select among several different output formats. Preferably, routing, or service codes will be generated automatically upon the initiation of the secondary interface and the inputting of the identification data into the secondary interface. The routing codes enable the bank to
5 recognize that the request is being sent to the outsourced third party entity. Furthermore, the routing codes are configured to automatically forward the inputted identification data to the off-site storage system. The inputted identification data and the routing codes are forwarded into the mainframe computer 12 introduced above for temporary storage before transfer to the off-site storage system. This temporary storage also serves to defend
10 against unexpected power outages, computer malfunctions, and the like. In the preferred embodiment of the subject invention, the secondary interface appears as follows and includes the identification data detailed below:

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Account Number:		Prod Type:	
Account Name:		Customer Code:	
Address:			
City:	State:	Zip Code:	
Home Phone: ()		Work Phone: ()	
Fax: ()			
Service Code:			
For Items Posted Prior to a Year			
Copy of Statement Only		Savings Items	
Copy of Check/Deposit Ticket		Misc (G/L, Loans, Teller, Etc)	
Check(s)/Deposit(s)<30 Items		Cash Letter Reconstruction	
Statements and<30 Items		Lockbox	
Statements and>30 Items		Legal Statement Only	
Deposit Reconstruction		Legal Statement and Items	

Once the bank employee has inputted the necessary identification data into either the primary or secondary interface, then retrieval of the financial document can continue. Specifically, the requested financial document is retrieved as defined by the inputted

5 identification data. Two separate document retrieval procedures are discussed hereinbelow.

One document retrieval procedure is for the financial documents having a record date earlier than or equal to the pre-selected date—one year before the current date in this example. The other document retrieval procedure is for the financial documents having a record date later than the pre-selected date. As discussed above, the one year timing selected for the pre-

10 selected date is simply shown as an example and any suitable time frame may be utilized. In fact, even all financial document retrievals may be outsourced to the third party entity. As

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also discussed above, the two separate document retrieval procedures will typically operate simultaneously.

With reference to the subject example, if the record date of the financial document is earlier than or equal to one year before the current date, the remaining steps occur at the bank. As discussed above, these steps are known as the back office production of the bank. The request is first categorized by a research automation system. The research automation system automates the entire workflow of a bank's research and photocopy departments by sending requests to the appropriate sequence for processing. The downloading terminal 14 serves to perform the research automation system's tasks.

Photocopy requests are routed to an image control system, statement requests are sent to a document retrieval system, and requests for financial adjustments are routed to an adjustment system. The document terminal 16 serves to perform these tasks. In the illustrated embodiment of the subject invention, the sample document request is for a paid check. Hence, the categorized sequence will be the image control system which handles photocopy requests.

Referring now to Figure 3, after the request is categorized, the request is verified for completeness and accuracy. If the request is not complete then additional data is retrieved. The additional data is retrieved by using a sequence number retrieval system and/or an all items research system. Once the request is complete and accurate, then the image reference number can be determined. That is, once the request is complete and accurate, then the requested financial document can be electronically located in the on-site storage system. The

reference number may be a routing, sequence, or any other type of indicator. The reference number is determined by the image control system. The image control system is an image retrieval and routing management system which works in conjunction with Kodak's *IMAGELINKTM* Digital Workstations (IDW). Specifically, the image control system first
5 connects to a network node. The network node is any type of storage device as is known in the art. Preferably a Kodak network node is used. The network node drives the IDW to find the location of the image by using the reference number. Specifically, the employee is prompted to verify that the correct media is loaded in the IDW such that the IDW can locate the image. The reference number for the document is known and the document image is
10 now verified and located.

The requested image can now be retrieved and reproduced. In other words a copy of the digitized document (the check) is created. The copy may be created by manually pulling the microfilm, microfiche, or the like and photocopying the document. The copy may also be made by printing the document from a digitized record. The photocopy of the
15 check is then distributed to the requesting client or other end user of the financial institution. Other end users of the financial institution include, but are not limited to, other financial institutions and federal and state governments. Additional information such as a photocopy report, a statement of charges, a research report and/or a daily status report may also be produced for the requesting client, the other end user, and/or the financial institution.
20 The document retrieval system incorporated at the bank and the method for obtaining electronically-stored financial documents from the on-site storage system is now completed.

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Continuing with the subject example, if the record date of the financial document is later than one year before the current date, the automated retrieval of the financial document is outsourced to the third party entity. To begin, a separate file is automatically generated at the bank by the input of the identification data into the secondary interface. Referring specifically to Figure 4, the routing codes direct the request created on the separate file to be routed separately to the outsourced third party entity. In the preferred embodiment of the subject invention, additional user ID's are created to allow only selected users into the secondary interface. The identification data stored in the separate file and the routing codes are downloaded to the off-site storage system for retrieval of the requested financial documents by the outsourced downloading terminal 18. Preferably, the identification data and routing codes are grouped into batches of common requests for optimum retrieval of the requested financial document by the outsourced third party entity at the off-site storage system. The downloading step may occur at any suitable predetermined interval. Preferably, the downloading will occur three times a day. The downloaded documents are known in the industry as a basket of requests.

The subject method further includes the step of creating a back-up file of the downloaded identification data and routing codes in the off-site storage system. The back-up file acts as an emergency information source in case the mainframe computer 12 at the financial institution has a catastrophic failure. In addition, the outsourced third party entity is in direct connection with the mainframe computer 12 of the bank wherein the outsourced third party entity may produce a backup directory of each database file. This database

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backup is an additional safe guard for the financial institution.

The downloaded identification data and routing codes are then categorized for processing in the off-site storage system. The research automation system categorizes this information in a like fashion as discussed above. In fact, the outsourced third party entity
5 uses the same computer software package as the financial institution such that the flow of information is optimum and not interrupted. As discussed above, the subject example request is for a paid check. Hence, the request will be categorized into the image control system and a sequence number will be determined by the sequencing terminal 20. Also, a status to update the progress of the requested financial document is provided to the financial
10 institution.

After the request is categorized, the request, specifically the inputted identification data, is verified for completeness and accuracy. If the request is not complete or accurate, then additional data is retrieved. In a similar fashion as above, the additional data is retrieved by using the sequence number retrieval system and/or the all items research
15 system. As appreciated, the outsourced third party entity may retrieve this information from the mainframe computer 12, via its direct line, or from its own backup database files.

Once the request is complete and accurate, the image reference number can be determined. Again, as above, the reference number is determined by the image control system.

20 The requested image is then retrieved. More specifically, the requested financial document is electronically located in the off-site storage system. Additionally, the

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requested financial document is also reproduced after the document is electronically located in the off-site storage system by the outsourced document terminal 22. In other words, a copy of the digitized document (the check) is created. A status file is then created for the completed transaction. Also, a status of the request is sent to the financial
5 institution wherein the institution may update their records. The status updates, as well as the information connections, create a two way information exchange between the outsourced third party entity and the bank.

The photocopy of the check is then distributed or digitally transferred to the requesting client, the financial institution, or other end users of the financial institution. In
10 the preferred embodiment of the subject invention, the photocopy of the request is distributed to the requesting client, etc. based on the routing codes. That is, in addition to directing the request to be separately routed to the outsourced third party entity, the routing codes also indicate an appropriate distribution for the request client or other end user. The request is now completed.

15 A special circumstance occurs when the record date of one portion of the client's request is earlier than or equal to one year before the current date, and when the record date of another portion of the client's request is later than one year before the current date. These types of requests are known in the industry as spanned requests. One solution is to incorporate an additional interface utilized when the employee of the bank is utilizing the
20 computer terminal 11 and comparing the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document

parameter is greater than, less than, or equal to the predetermined parameter. If the request is a spanned request, then the request will be split into two separate requests which can be handled simultaneously. A special notation would be put onto the requests such that they may be put back together before distributing the documents to the client or other end user.

- 5 Another solution simply notifies the inputting employee that two requests should be entered separately. A third solution sends the request to the back office production at the bank wherein the back office employees notify the outsourced third party entity by a separate request to retrieve the requested financial documents.

The invention has been described in an illustrative manner, and it is to be understood that the terminology which has been used is intended to be in the nature of words of description rather than of limitation. Obviously, many modifications and variations of the present invention are possible in light of the above teachings. It is, therefore, to be understood that within the scope of the appended claims, wherein reference numerals are merely for convenience and are not to be in any way limiting, the invention may be practiced otherwise than as specifically described.

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ABSTRACT

A method for a bank to obtain an electronically-stored financial document is disclosed. The financial document includes a specific document parameter, such as a record date. The bank maintains the financial document in an off-site storage system when
5 the record date is later than a pre-selected date and in an on-site storage system when the record date is earlier than or equal to the pre-selected date. The off-site storage system is different from the on-site storage system. The bank receives and inputs a request for the financial document from a client and compares the record date to the pre-selected date to determine if the record date is later than, earlier than, or equal to the pre-selected date. In
10 processing the request, the bank utilizes a computer terminal, connected to the off-site and on-site storage systems through a processing unit, to access one of the storage systems in response to the comparison of the record date to the pre-selected date. After accessing the appropriate storage system, the bank retrieves the requested financial document. The bank then reproduces the requested financial document and distributes the requested financial
15 document to the requesting client, or some other end user of the bank.

METHOD OF OBTAINING AN ELECTRONICALLY- STORED FINANCIAL DOCUMENT

RELATED APPLICATIONS

5 This patent application is a continuation of U.S. Patent Application Serial No.
12/902,973, now _____, which is a continuation of U.S. Patent Application
Serial No. 12/489,087 filed on June 22, 2009, now U.S. Patent No. 7,836,067, which is a
continuation of U.S. Patent Application Serial No. 11/202,790 filed on August 12, 2005,
now U.S. Patent No. 7,552,118, which is a continuation of U.S. Patent Application Serial
10 No. 10/104,541 filed on March 22, 2002, now U.S. Patent No. 6,963,866, which is a
continuation of U.S. Patent Application Serial No. 09/548,490 filed on April 13, 2000, now
U.S. Patent No. 6,446,072, which in turn claims priority to and all the advantages of United
States Provisional Patent Application Serial No. 60/129,021, which was filed on April 13,
1999 and is entitled "REMOTE DOCUMENT RETRIEVAL AND STORAGE SYSTEM".

15

BACKGROUND OF THE INVENTION

1) TECHNICAL FIELD

The subject invention relates to a method for a financial institution to obtain
electronically-stored financial documents from an off-site storage system remotely-located
20 from an on-site storage system.

2) DESCRIPTION OF THE PRIOR ART

Methods for obtaining electronically-stored financial documents are generally known in the art. Financial institutions, such as banks and credit unions, utilize such methods to rapidly and efficiently obtain financial documents for distribution to clients
5 upon request. Such financial documents include paid checks, account statements, and other related documents. These financial documents are typically stored on microfiche, microfilm, digitally, or by some other electronic storage means. Further, these financial documents are typically electronically-stored in an on-site storage system located at the financial institution or in an off-site storage system. Electronic storage of these financial
10 documents permits financial institutions to eliminate storage of paper or "hard" copies of these documents. The electronic storage of these documents also provides a means of retrieving the information from the on-site and off-site storage systems.

Once the document is stored, the client may request an image of a particular stored document. Client requests are made to replace lost or stolen documents, for tax purposes,
15 for proof of financial transactions, for legal disputes, and other similar matters. The client's request is inputted into a computer terminal at the financial institution. More specifically, conventional methods for obtaining an electronically-stored financial document enable an employee of the financial institution, such as a bank teller, to input the request into an interface incorporated into the computer terminal. The interface is inter-
20 linked with the on-site storage system. Typically, all requests for a particular period are grouped together and subsequently downloaded for retrieval of the requested image by the

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financial institution. The financial institution retrieves the image, e.g. a photocopy of the check, and then distributes the photocopy to the client via facsimile, mail or hand delivery.

The storing, downloading, and retrieving of the financial document, including the reproduction and the distribution of the document, are known in the industry as back office

5 production. Back office production for financial institutions is particularly resource intensive, time consuming, and expensive. Also, back office production becomes increasingly expensive if the client requests a particularly old financial document because older financial documents frequently require more resources and time to locate and retrieve.

10 The majority of financial institutions electronically store financial documents only in an on-site storage system and not in an off-site storage system. Consequently, these financial institutions are unable to outsource the responsibilities for the back office production to third party entities to alleviate the expenses and resources associated with the back office production. These financial institutions realize a
15 significant financial burden since the back office production is concentrated strictly at the financial institution.

Other financial institutions do electronically store financial documents in on-site and off-site storage systems. However, the methods utilized by these financial institutions to access the financial documents stored in the off-site storage system are
20 deficient in that the interface utilized in such methods is only inter-linked with the on-site storage system. That is, there is no interface independently inter-linked with the off-site

storage system. As a result, the financial documents stored in the off-site storage system can not be efficiently accessed. These financial institutions are still responsible for retrieving the requested financial documents through their back office production and their expenses remain high. One such method of retrieving documents from on-site and off-sited
5 storage systems is disclosed in United States Patent No. 5,784,610 to Copeland, III et al.

Due to the inefficiencies identified in the conventional methods used by financial institutions to obtain financial documents, it is desirable to implement a method for a financial institution to obtain electronically-stored financial documents from both on-site and off-site storage systems that reduces, if not eliminates, the back office production of
10 the financial institution by providing a direct interface inter-linked with the off-site storage system. With such an interface, the responsibility for retrieving financial documents from the off-site storage can be outsourced to third party entities while still providing the financial institution with efficient access to any financial documents electronically-stored in the off-site storage system.

15

SUMMARY OF THE INVENTION AND ADVANTAGES

A method for a financial institution to obtain electronically-stored financial documents having a specific document parameter is disclosed. The specific document parameter is typically a particular numerical sequence, such as a record date of the
20 financial document. The method of the subject invention enables the financial institution to obtain the financial documents from a first or an off-site storage system. The first or

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off-site storage system is ~~remotely-located~~ different from a second or an on-site storage system and is preferably remotely-located from the second or on-site storage system. In one embodiment, the ~~[[The]]~~ financial documents of the financial institution are maintained in the first or off-site storage system when the specific document parameter of

5 the financial document is greater than a predetermined parameter. The financial documents that are less than or equal to the predetermined parameter are maintained in the second or on-site storage system. In another embodiment, the specific document parameter of the financial document that is less than or equal to the predetermined parameter is maintained in the first or off-site storage system and the financial document that is greater than the

10 predetermined parameter is maintained in the second or on-site storage system.

When the financial institution receives a request for a financial document, the financial institution compares the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter

15 is greater than, less than, or equal to the predetermined parameter. A computer terminal located at the financial institution is connected to both the off-site and on-site storage systems through a processing unit. The ~~computer-terminal~~ processing unit is utilized to, at least partially, automatically access one of the storage systems in response to the comparison of the specific document parameter to the predetermined parameter. For

20 instance, if it is determined that the specific document parameter is less than or equal to the predetermined document parameter, then the ~~computer-terminal~~ processing unit

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accesses the second or on-site storage system. On the other hand, if it is determined that the specific document parameter of the financial document is greater than the predetermined parameter, then the ~~computer terminal~~ processing unit accesses the first or off-site storage system. As stated below, the computer terminal may be used to feed a
5 request into the processing unit.

~~Finally, after the identification data of~~ After the requested financial document is accessed ~~inputted~~, the requested document is then retrieved in order to reproduce the financial document, and distribute the financial document to an end user of the financial institution.

10 The subject invention therefore provides a method that enables financial institutions to obtain electronically-stored financial documents from ~~[[an]]~~ on-site and off-site storage ~~systems~~ system ~~via a secondary interface that is specifically inter linked with the off-site storage system and the financial documents electronically stored in that system.~~

As such, the financial institution can selectively store financial documents in either an on-site storage system or the off-site storage system, and the responsibility for the financial documents in the on-site or off-site storage ~~systems~~ system can be outsourced to a third party entity. Further, the documents can be stored in different fixed mediums, such as microfiche, microfilm, digitally, electronically, etc., and can be stored in different geographical locations.

Therefore, the back office production of the financial institution
20 associated with the retrieval and distribution of financial documents stored in the on-site or off-site storage ~~systems~~ system is strategically reduced or even completely eliminated.

BRIEF DESCRIPTION OF THE DRAWINGS

5 Other advantages of the present invention will be readily appreciated as the same becomes better understood by reference to the following detailed description when considered in connection with the accompanying drawings wherein:

 Figure 1 is a flow diagram schematically detailing an on-site storage system, and an off-site storage system in accordance with the subject invention;

10 Figure 2 is a block diagram generally representing a method for a financial institution to obtain electronically-stored financial documents from the on-site and off-site storage systems;

 Figure 3 is a block diagram completing the method of obtaining electronically-stored financial documents from the on-site storage system; and

15 Figure 4 is a block diagram completing the method of obtaining electronically-stored financial documents from the off-site storage system.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

 Referring to the Figures, wherein like numerals indicate like or corresponding parts
20 throughout the several views, a method for a financial institution to obtain an electronically-stored financial document is schematically shown at 10 in Figure 1. The

method introduced in the subject invention enables the financial institution to obtain the financial document from one of a first or an off-site storage system and remotely located from a second or an on-site storage system with the storage systems being different from each other. Preferably, the on-site storage system is located at the financial institution and
5 the off-site storage system is located at a remote location distant from the financial institution. This allows the financial institution to ‘outsource’ the responsibilities associated with obtaining the financial document.

Methods for financial institutions to obtain electronically-stored documents are
10 frequently used by such entities as banks, credit unions, and other financially-oriented institutions. For illustrative purposes only, the description of the subject invention is discussed with reference to banks. However, as appreciated by those skilled in the art, other businesses, such as insurance companies, may also utilize similar methods and incorporate the aspects of the subject invention.

15 Methods for banks to obtain electronically-stored financial documents are generally used by banks to rapidly and efficiently obtain financial documents for distribution to clients upon request. As described above, the financial documents for banks are usually paid checks, checking statements, and other related financial documents, and these documents include at least one specific document parameter. As appreciated by those
20 skilled in the art, it is not the financial document (e.g. the paid check) itself that is electronically-stored. Rather, it is data included on the document such as a sequence

number that is electronically stored to make up the financial document. The specific document parameter is preferably a particular numerical sequence. As appreciated, the specific document parameter of the financial document can include, but is not limited to, a record date or age of the document, a series number, or some other document identifying
5 number of the financial document. More specifically, in the preferred embodiment of the subject invention, the particular numerical sequence of the financial document is the record date of the financial document. That is, the date that the particular financial document was created or posted.

The financial documents are typically stored on microfiche, microfilm, digitally, or
10 by some other electronic storage means. As appreciated, the electronic storage of the financial documents is frequently created by taking an electronic photo image of the document and storing the photo image in a computer system. One such digital electronic storage device is sold by Kodak under the name of *IMAGELINKTM* Digital Workstation (IDW). Electronic storage of these financial documents permits banks to eliminate storage
15 of paper or "hard" copies of these documents. The electronic storage of these documents also provides an efficient means of retrieving the information from the on-site and off-site storage systems. This will be discussed further herein below.

As described above, the financial documents are electronically-stored in either the on-site storage system located at the bank or in the off-site storage system remotely located
20 from the on-site storage system. More specifically, the subject invention includes the step of maintaining the financial documents in the off-site storage system when the specific

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document parameter of the financial document is greater than a predetermined parameter. Financial documents are maintained in the on-site storage system when the specific document parameter of the financial document is less than or equal to the predetermined parameter. As appreciated, the document parameter of the financial documents stored in
5 the off-site storage system may be greater than or equal to the predetermined parameter with the on-site storage system having documents only less than the predetermined parameter.

Similar to the specific document parameter of the financial document, the predetermined parameter is also a numerical value. The predetermined parameter is
10 specifically a numerical value predetermined by the bank. For instance, if the specific document parameter is a series number of a paid check and the series number is greater than the predetermined parameter which, in this case, would be an arbitrarily selected base series number, then the paid check would be stored in the off-site storage system.

In the preferred embodiment of the subject invention, the predetermined numerical
15 value is a date pre-selected by the bank. For instance, the bank may pre-select a date that is one year before a current date—the current date being the actual date that the client requests the financial document. Of course, the bank may pre-select a date that is some other time period before a current date (e.g. two or three years) without varying from the scope of the subject invention. As such, if the record date of the particular financial
20 document is older than one year, then the particular financial document is maintained in the off-site storage system. If the record date of the particular financial document is earlier

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than or equal to one year, then the particular financial document is maintained in the on-site storage system. As discussed above, the document having record dates equal to the one year may be stored in the off-site or on-site storage systems.

Once the financial document is maintained in the appropriate storage system, the bank is capable of receiving a request for the financial document from the client. In reality, the client is requesting an image of the stored financial document. As appreciated, clients request the image for various reasons. As discussed above, requests are typically made for replacing lost or stolen financial documents, for tax purposes, for proof of financial transactions, for legal disputes, and other similar matters. Ultimately, the bank retrieves the image, reproduces the image, and distributes the reproduced image to the requesting client of the bank.

Referring now to Figure 1, the method for banks to obtain electronically-stored financial documents is discussed in detail in accordance with a general scope of the subject invention. Initially, the requesting client requests a particular financial document, such as a paid check. The client is typically a customer of the bank or other financial institution. The client's request is inputted into a computer terminal 11 at the financial institution. The computer terminal 11 will be discussed in more detail hereinbelow.

From the computer terminal 11, the request is fed into a processing unit 12, which is illustrated as a mainframe computer 12 at the bank. In the preferred embodiment of the subject invention, if the client requests a financial document having a record date earlier than or equal to one year before the current date, then the request, and other requests like

it, are processed at the bank in the on-site storage system. That is, the requests are grouped together and downloaded to a downloading terminal 14 at the bank. The downloading may occur at particular intervals such as at the end of each day, every three hours, etc. The sequence number of each check requested is then determined. A document terminal 16
5 subsequently creates or reproduces the document, i.e., a photocopy of the check. The photocopy is then distributed to the client via facsimile, mail, or hand delivery.

It is known in the art that the majority of requests for financial documents are requests for documents which were created in the most recent year. That is, if the pre-
10 selected date is one year before the current date, as in the preferred embodiment, then the majority of requests are seeking financial documents having a record date earlier than or equal to the pre-selected date. The remaining document requests relate to financial documents that are older than one year. Since, as described in the Background of the Invention, retrieval of financial documents that are older than one year is particularly
15 expensive, the preferred embodiment of the subject invention outsources all of the document requests which relate to documents having a record date later than one year before the current date. As appreciated, the particular time frame which is outsourced is not a critical feature of the subject invention and may be adjusted to meet the needs of any particular financial institution. In fact, all of the document requests, including the most
20 recent, may be outsourced using the outsourcing procedure of the subject invention.

In the preferred embodiment, if the client requests a financial document having a

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record date later than one year before the current date, then the request, and others like it, are grouped together and downloaded from the mainframe computer 12 to an outsourced downloading terminal 18. As above, the downloading may be at particular intervals as needed. The sequence number is determined by a sequencing terminal 20. The sequence
5 number is then sent back to the outsourced downloading terminal 18. An outsourced document terminal 22 then creates or reproduces the desired document which is then distributed to either the client or the bank. As appreciated, two document retrieval operations, one for the bank to retrieve financial documents having record dates earlier than or equal to one year before the current date, and another to retrieve outsourced financial
10 documents having record dates later than one year before the current date, preferably operate simultaneously. It is to be understood that the computer terminals and the accompanying PC bases are illustrated highly schematically in Figure 1 and are not intended to be limiting in any manner. For instance, the schematic illustration of the outsourced document terminal 22 need not include a computer terminal and an accompanying PC base. Instead, the outsourced
15 document terminal 22 is preferably some sort of printing device.

Referring to Figures 2 through 4, the method for banks to obtain electronically-stored financial documents is described in even greater detail. The request is first generated by the client. The request is then processed by the bank. The processing, retrieval and reproduction of the requested financial document is typically controlled by one
20 interlinked computer software program. One such computer software program is a software program called Antinori Software Incorporated or ASI which is sold under the name of

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*INNOVATION*TM by Carreker-Antinori of Dallas, Texas. However, other frequently used software programs include *PEGA*TM and *Sterling*TM. Any of these computer software systems can provide the necessary means for implementing the discussed procedures.

The processing of the request is completed by a customer service tracking system
5 and the computer terminal 11. The customer service tracking system assists the financial institution in receiving the request. More specifically, the customer service tracking system gives branches, customer service, and other bank departments the capability to enter, log, track, route and monitor the status of all requests for financial documents. The customer service tracking system also provides the capability to enter, log, track, route and monitor the
10 status of customer complaints and other customer service related items.

[[A]] In accordance with one contemplated embodiment of the invention, a bank employee, such as a bank teller first determines a status of the requested document. More specifically, the employee compares the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document
15 parameter is greater than, less than, or equal to the predetermined parameter. If the specific document parameter is a particular numerical sequence and the predetermined parameter is a predetermined numerical value, then the employee compares the particular numerical sequence of the financial document to the predetermined numerical value to determine if the particular numerical sequence is greater than, less than, or equal to the
20 predetermined numerical value. Further, if as in the preferred embodiment, the particular numerical sequence is a record date of the financial document, and the predetermined

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numerical value is a pre-selected date, then the employee compares the record date of the financial document to the pre-selected date to determine if the record date is later than, earlier than, or equal to the pre-selected date.

The customer service tracking system enables a bank employee, such as a bank teller, to submit the request. More specifically, the employee utilizes the computer terminal 11 located at the bank and connected to both the off-site and on-site storage systems to access one of the storage systems in response to the comparison of the specific document parameter of the requested financial document to the predetermined parameter. For instance, when the particular numerical sequence of the financial document is greater than the predetermined numerical value, the employee preferably utilizes the computer terminal 11 to access the off-site storage system, and when the particular numerical sequence of the financial document is less than or equal to the predetermined numerical value, the employee preferably utilizes the computer terminal 11 to access the on-site storage system. As discussed above, the documents have a numerical sequence equal to the predetermined numerical value may be stored in either the off-site or on-site storage systems.

After the computer terminal 11 is utilized to access the desired storage system, the employee manually inputs identification data of the requested financial document into the computer terminal 11. More specifically, when the particular numerical sequence of the financial document is less than or equal to the predetermined numerical value, the employee inputs identification data into a primary interface and selects the requested document. Also, the primary interface preferably provides an option for the employee to

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select among several different output formats. The primary interface is inter-linked with the on-site storage system. In the preferred embodiment of the subject invention, the primary interface appears as follows and includes the identification data detailed below:

Account Number:		Prod Type:	
Account Name:		Customer Code:	
Address:			
City:	State:	Zip Code:	
Home Phone: ()		Work Phone: ()	
Fax: ()			
Service Code:			
For Items Posted Within A Year			
Copy of Statement Only		Savings Items	
Copy of Check/Deposit Ticket		Misc (G/L, Loans, Teller, Etc)	
Check(s)/Deposit(s)<30 Items		Cash Letter Reconstruction	
Statements and<30 Items		Lockbox	
Statements and>30 Items		Legal Statement Only	
Deposit Reconstruction		Legal Statement and Items	
Regardless of Posting Date			
Missing Transactions		Returned Items	
Online (Backdated/Unposted) Encoding Error/Wrong Account			
<hr/>			
<i>EXIT FUNCTION</i>			

5

Alternatively, when the particular numerical sequence of the financial document is greater than the predetermined numerical value, the employee selects an exit function at the primary interface. The exit function distinguishes that the request is to be sent to an

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outsourcing third party entity. Upon selection of the exit function at the primary interface, a secondary interface, inter-linked with the exit function, is initiated. The secondary interface is inter-linked with the off-site storage system. The employee inputs identification data into the secondary interface and selects the requested document. Also, 5 the secondary interface preferably provides an option for the employee to select among several different output formats. Preferably, routing, or service codes will be generated automatically upon the initiation of the secondary interface and the inputting of the identification data into the secondary interface. The routing codes enable the bank to recognize that the request is being sent to the outsourced third party entity. Furthermore, 10 the routing codes are configured to automatically forward the inputted identification data to the off-site storage system. The inputted identification data and the routing codes are forwarded into the mainframe computer 12 introduced above for temporary storage before transfer to the off-site storage system. This temporary storage also serves to defend against unexpected power outages, computer malfunctions, and the like. In the preferred 15 embodiment of the subject invention, the secondary interface appears as follows and includes the identification data detailed below:

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Account Number:		Prod Type:	
Account Name:		Customer Code:	
Address:			
City:	State:	Zip Code:	
Home Phone: ()		Work Phone: ()	
Fax: ()			
Service Code:			
For Items Posted Prior to a Year			
Copy of Statement Only		Savings Items	
Copy of Check/Deposit Ticket		Misc (G/L, Loans, Teller, Etc)	
Check(s)/Deposit(s)<30 Items		Cash Letter Reconstruction	
Statements and<30 Items		Lockbox	
Statements and>30 Items		Legal Statement Only	
Deposit Reconstruction		Legal Statement and Items	

Once the bank employee has inputted the necessary identification data into either the primary or secondary interface, then retrieval of the financial document can continue. Specifically, the requested financial document is retrieved as defined by the inputted

5 identification data. Two separate document retrieval procedures are discussed hereinbelow.

One document retrieval procedure is for the financial documents having a record date earlier than or equal to the pre-selected date—one year before the current date in this example. The other document retrieval procedure is for the financial documents having a record date later than the pre-selected date. As discussed above, the one year timing selected for the pre-

10 selected date is simply shown as an example and any suitable time frame may be utilized. In fact, even all financial document retrievals may be outsourced to the third party entity. As

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also discussed above, the two separate document retrieval procedures will typically operate simultaneously.

With reference to the subject example, if the record date of the financial document is earlier than or equal to one year before the current date, the remaining steps occur at the bank. As discussed above, these steps are known as the back office production of the bank. The request is first categorized by a research automation system. The research automation system automates the entire workflow of a bank's research and photocopy departments by sending requests to the appropriate sequence for processing. The downloading terminal 14 serves to perform the research automation system's tasks.

Photocopy requests are routed to an image control system, statement requests are sent to a document retrieval system, and requests for financial adjustments are routed to an adjustment system. The document terminal 16 serves to perform these tasks. In the illustrated embodiment of the subject invention, the sample document request is for a paid check. Hence, the categorized sequence will be the image control system which handles photocopy requests.

Referring now to Figure 3, after the request is categorized, the request is verified for completeness and accuracy. If the request is not complete then additional data is retrieved. The additional data is retrieved by using a sequence number retrieval system and/or an all items research system. Once the request is complete and accurate, then the image reference number can be determined. That is, once the request is complete and accurate, then the requested financial document can be electronically located in the on-site storage system. The

reference number may be a routing, sequence, or any other type of indicator. The reference number is determined by the image control system. The image control system is an image retrieval and routing management system which works in conjunction with Kodak's *IMAGELINKTM* Digital Workstations (IDW). Specifically, the image control system first
5 connects to a network node. The network node is any type of storage device as is known in the art. Preferably a Kodak network node is used. The network node drives the IDW to find the location of the image by using the reference number. Specifically, the employee is prompted to verify that the correct media is loaded in the IDW such that the IDW can locate the image. The reference number for the document is known and the document image is
10 now verified and located.

The requested image can now be retrieved and reproduced. In other words a copy of the digitized document (the check) is created. The copy may be created by manually pulling the microfilm, microfiche, or the like and photocopying the document. The copy may also be made by printing the document from a digitized record. The photocopy of the
15 check is then distributed to the requesting client or other end user of the financial institution. Other end users of the financial institution include, but are not limited to, other financial institutions and federal and state governments. Additional information such as a photocopy report, a statement of charges, a research report and/or a daily status report may also be produced for the requesting client, the other end user, and/or the financial institution.
20 The document retrieval system incorporated at the bank and the method for obtaining electronically-stored financial documents from the on-site storage system is now completed.

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Continuing with the subject example, if the record date of the financial document is later than one year before the current date, the automated retrieval of the financial document is outsourced to the third party entity. To begin, a separate file is automatically generated at the bank by the input of the identification data into the secondary interface. Referring specifically to Figure 4, the routing codes direct the request created on the separate file to be routed separately to the outsourced third party entity. In the preferred embodiment of the subject invention, additional user ID's are created to allow only selected users into the secondary interface. The identification data stored in the separate file and the routing codes are downloaded to the off-site storage system for retrieval of the requested financial documents by the outsourced downloading terminal 18. Preferably, the identification data and routing codes are grouped into batches of common requests for optimum retrieval of the requested financial document by the outsourced third party entity at the off-site storage system. The downloading step may occur at any suitable predetermined interval. Preferably, the downloading will occur three times a day. The downloaded documents are known in the industry as a basket of requests.

The subject method further includes the step of creating a back-up file of the downloaded identification data and routing codes in the off-site storage system. The back-up file acts as an emergency information source in case the mainframe computer 12 at the financial institution has a catastrophic failure. In addition, the outsourced third party entity is in direct connection with the mainframe computer 12 of the bank wherein the outsourced third party entity may produce a backup directory of each database file. This database

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backup is an additional safe guard for the financial institution.

The downloaded identification data and routing codes are then categorized for processing in the off-site storage system. The research automation system categorizes this information in a like fashion as discussed above. In fact, the outsourced third party entity
5 uses the same computer software package as the financial institution such that the flow of information is optimum and not interrupted. As discussed above, the subject example request is for a paid check. Hence, the request will be categorized into the image control system and a sequence number will be determined by the sequencing terminal 20. Also, a status to update the progress of the requested financial document is provided to the financial
10 institution.

After the request is categorized, the request, specifically the inputted identification data, is verified for completeness and accuracy. If the request is not complete or accurate, then additional data is retrieved. In a similar fashion as above, the additional data is retrieved by using the sequence number retrieval system and/or the all items research
15 system. As appreciated, the outsourced third party entity may retrieve this information from the mainframe computer 12, via its direct line, or from its own backup database files. Once the request is complete and accurate, the image reference number can be determined. Again, as above, the reference number is determined by the image control system.

20 The requested image is then retrieved. More specifically, the requested financial document is electronically located in the off-site storage system. Additionally, the

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requested financial document is also reproduced after the document is electronically located in the off-site storage system by the outsourced document terminal 22. In other words, a copy of the digitized document (the check) is created. A status file is then created for the completed transaction. Also, a status of the request is sent to the financial
5 institution wherein the institution may update their records. The status updates, as well as the information connections, create a two way information exchange between the outsourced third party entity and the bank.

The photocopy of the check is then distributed or digitally transferred to the requesting client, the financial institution, or other end users of the financial institution. In
10 the preferred embodiment of the subject invention, the photocopy of the request is distributed to the requesting client, etc. based on the routing codes. That is, in addition to directing the request to be separately routed to the outsourced third party entity, the routing codes also indicate an appropriate distribution for the request client or other end user. The request is now completed.

15 A special circumstance occurs when the record date of one portion of the client's request is earlier than or equal to one year before the current date, and when the record date of another portion of the client's request is later than one year before the current date. These types of requests are known in the industry as spanned requests. One solution is to incorporate an additional interface utilized when the employee of the bank is utilizing the
20 computer terminal 11 and comparing the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document

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parameter is greater than, less than, or equal to the predetermined parameter. If the request is a spanned request, then the request will be split into two separate requests which can be handled simultaneously. A special notation would be put onto the requests such that they may be put back together before distributing the documents to the client or other end user.

- 5 Another solution simply notifies the inputting employee that two requests should be entered separately. A third solution sends the request to the back office production at the bank wherein the back office employees notify the outsourced third party entity by a separate request to retrieve the requested financial documents.

The invention has been described in an illustrative manner, and it is to be understood that the terminology which has been used is intended to be in the nature of words of description rather than of limitation. Obviously, many modifications and variations of the present invention are possible in light of the above teachings. It is, therefore, to be understood that within the scope of the appended claims, wherein reference numerals are merely for convenience and are not to be in any way limiting, the
10
15 invention may be practiced otherwise than as specifically described.

ABSTRACT

A method for a bank to obtain an electronically-stored financial document is disclosed. The financial document includes a specific document parameter, such as a record date. The bank maintains the financial document in an off-site storage system when
5 the record date is later than a pre-selected date and in an on-site storage system when the record date is earlier than or equal to the pre-selected date. The off-site storage system is ~~different~~ remotely located from the on-site storage system. The bank receives and inputs a request for the financial document from a client and compares the record date to the pre-selected date to determine if the record date is later than, earlier than, or equal to the pre-
10 selected date. In processing the request, the bank utilizes a computer terminal, connected to the off-site and on-site storage systems through a processing unit, to access one of the storage systems in response to the comparison of the record date to the pre-selected date. After accessing the appropriate storage system, the bank ~~inputs data into the computer terminal to identify the requested financial document and then~~ retrieves the requested
15 financial document. The bank then reproduces the requested financial document and distributes the requested financial document to the requesting client, or some other end user of the bank.

Electronic Patent Application Fee Transmittal

Application Number:	13272936			
Filing Date:	13-Oct-2011			
Title of Invention:	Method of Obtaining An Electronically-Stored Financial Document			
First Named Inventor/Applicant Name:	Michael D. Schulze			
Filer:	Samuel Jeffrey Haidle/Julie Barber			
Attorney Docket Number:	060419.00016			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility application filing	1011	1	380	380
Utility Search Fee	1111	1	620	620
Utility Examination Fee	1311	1	250	250
Pages:				
Claims:				
Miscellaneous-Filing:				
Late filing fee for oath or declaration	1051	1	130	130
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 2 months with \$0 paid	1252	1	560	560
Miscellaneous:				
Total in USD (\$)				1940

Electronic Acknowledgement Receipt

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Application Number:	13272936
International Application Number:	
Confirmation Number:	9130
Title of Invention:	Method of Obtaining An Electronically-Stored Financial Document
First Named Inventor/Applicant Name:	Michael D. Schulze
Customer Number:	27305
Filer:	Samuel Jeffrey Haidle/Julie Barber
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Application Type:	Utility under 35 USC 111(a)

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Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 1940
RAM confirmation Number	5248
Deposit Account	082789
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Applicant Response to Pre-Exam Formalities Notice	Response_To_File_Missing_Parts.pdf	18969	no	2
			f4b06bcc3e6f3da3588e2e67797f9e722fad1bd6		
Warnings:					
Information:					
2	Oath or Declaration filed	Declaration.pdf	97916	no	4
			3420e600ca430beb8a7bd0f231f0c298a8ade092		
Warnings:					
Information:					
3	Applicant Response to Pre-Exam Formalities Notice	NoticeToFileMissingPartsofNon provisionalApplication.pdf	90149	no	2
			4f9d9d84899d598d75e1cf16f99f4f05ddfc12b2		
Warnings:					
Information:					
4	Specification	Clean_Copy_of_Specification.pdf	123854	no	25
			32771ca8a7ded81c993b932fba95bb6301b1b818		
Warnings:					
Information:					
5	Specification	Marked-up_Specification.pdf	126979	no	25
			11998c27bf87c1a952a087ac7928c928e8804f19		
Warnings:					
Information:					
6	Fee Worksheet (SB06)	fee-info.pdf	38485	no	2
			039b37ca7324b5bfcc363287622f4fb69dd91e1		
Warnings:					
Information:					
Total Files Size (in bytes):			496352		

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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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 13/272,936				
APPLICATION AS FILED - PART I										
(Column 1)		(Column 2)		SMALL ENTITY		OR 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			N/A	380			
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	620			
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	250			
TOTAL CLAIMS (37 CFR 1.16(j))	8	minus 20 = *				x 60 =	0.00			
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1	minus 3 = *				x 250 =	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 \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00			
				TOTAL		TOTAL	1250			
* 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		OR OTHER THAN SMALL ENTITY		
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=		x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=		x	=
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
						TOTAL ADD'L FEE			TOTAL ADD'L FEE	
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=		x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=		x	=
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
						TOTAL ADD'L FEE			TOTAL ADD'L FEE	
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.										



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
13/272,936	10/13/2011	2624	0.00	060419.00016	8	1

CONFIRMATION NO. 9130

27305
HOWARD & HOWARD ATTORNEYS PLLC
450 West Fourth Street
Royal Oak, MI 48067

FILING RECEIPT



Date Mailed: 10/28/2011

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)

Michael D. Schulze, Troy, MI;
Richard J. Gagnon, Grosse Pointe Farms, MI;

Assignment For Published Patent Application

MIRROR IMAGING L.L.C., Southfield, MI

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 12/902,973 10/12/2010
which is a CON of 12/489,087 06/22/2009 PAT 7,836,067
which is a CON of 11/202,790 08/12/2005 PAT 7,552,118
which is a CON of 10/104,541 03/22/2002 PAT 6,963,866
which is a CON of 09/548,490 04/13/2000 PAT 6,446,072
which claims benefit of 60/129,021 04/13/1999

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.)

If Required, Foreign Filing License Granted: 10/26/2011

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/272,936**

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

Title

Method of Obtaining An Electronically-Stored Financial Document

Preliminary Class

382

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**

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NOT GRANTED

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/272,936	10/13/2011	Michael D. Schulze	060419.00016

CONFIRMATION NO. 9130

FORMALITIES LETTER



OC000000050623012

27305
HOWARD & HOWARD ATTORNEYS PLLC
450 West Fourth Street
Royal Oak, MI 48067

Date Mailed: 10/28/2011

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$380 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
Note: If a petition under 37 CFR 1.47 is being filed, an oath or declaration in compliance with 37 CFR 1.63 signed by all available joint inventors, or if no inventor is available by a party with sufficient proprietary interest, is required.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- A replacement abstract not exceeding 150 words in length and commencing on a separate sheet in compliance with 37 CFR 1.72(b) and 37 CFR 1.121 is required.
- A substitute specification excluding claims in compliance with 37 CFR 1.52, 1.121(b)(3), and 1.125 is required. The substitute specification must be submitted with markings and be accompanied by a clean version (without markings) as set forth in 37 CFR 1.125(c) and a statement that the substitute specification contains no new matter (see 37 CFR 1.125(b)). Since a preliminary amendment was present on the filing date of the application and such amendment is part of the original disclosure of the application, the substitute specification must include all of the desired changes made in the preliminary amendment. See 37 CFR 1.115 and 1.125.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- A surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.16(f) of **\$130** for a non-small entity, must be submitted.

SUMMARY OF FEES DUE:

Total fee(s) required within **TWO MONTHS** from the date of this Notice is **\$1380** for a non-small entity

- **\$380** Statutory basic filing fee.
- **\$130** Surcharge.
- The application search fee has not been paid. Applicant must submit **\$620** to complete the search fee.
- The application examination fee has not been paid. Applicant must submit **\$250** to complete the examination fee for a non-small entity.

Replies should be mailed to:

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/mkibret/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael D. Schulze et al.

Serial No.: To Be Assigned **Group Art Unit:** 2154
(Continuation of Serial No.: 12/902,973)

Filed: Concurrent Herewith **Examiner:** To Be Assigned

Attorney Docket No.: 060419.00016

Title: METHOD OF OBTAINING ELECTRONICALLY-STORED
FINANCIAL DOCUMENTS

PRELIMINARY AMENDMENT

Mail Stop Amendment
Commissioner for Patents

P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Prior to examination of the above-identified application, please amend the subject application as follows and consider the accompanying remarks.

Amendments to the specification begin on page 2. Amendments to the Abstract begin on page 7. A complete listing of the claims ever presented in the application, along with any current amendments thereto, begins on page 8.

Docket No.: 060419.00016

Amendments to the Specification

Please amend the paragraph beginning at page 1, line 5, as follows;

This patent application is a continuation of U.S. Patent Application Serial No. 12/902,973, now _____, which is a continuation of U.S. Patent Application Serial No. 12/489,087 filed on June 22, 2009, now U.S. Patent No. 7,836,067, which is a continuation of U.S. Patent Application Serial No. 11/202,790 filed on August 12, 2005, now U.S. Patent No. 7,552,118, which is a continuation of U.S. Patent Application Serial No. 10/104,541 filed on March 22, 2002, now U.S. Patent No. 6,963,866, which is a continuation of U.S. Patent Application Serial No. 09/548,490 filed on April 13, 2000, now U.S. Patent No. 6,446,072, which in turn claims priority to and all the advantages of United States Provisional Patent Application Serial No. 60/129,021, which was filed on April 13, 1999 and is entitled “REMOTE DOCUMENT RETRIEVAL AND STORAGE SYSTEM”.

Please amend the paragraph beginning at page 4, line 5, as follows;

A method for a financial institution to obtain electronically-stored financial documents having a specific document parameter is disclosed. The specific document parameter is typically a particular numerical sequence, such as a record date of the financial document. The method of the subject invention enables the financial institution to obtain the financial documents from a first or an off-site storage system. The first or off-site storage system is ~~remotely located~~ different from a second or an on-site storage system and is preferably remotely-located from the second or on-site storage system. In one embodiment, the ~~[[The]]~~ financial documents of the financial institution are maintained in the first or off-site storage system when the specific document parameter of the financial document is greater than a predetermined parameter. The financial documents that are less than or equal to the predetermined parameter are maintained in the second or on-site storage system. In another embodiment, the specific document parameter of the financial document that is less than or equal to the

predetermined parameter is maintained in the first or off-site storage system and the financial document that is greater than the predetermined parameter is maintained in the second or on-site storage system.

Please amend the paragraph beginning at page 4, line 15, as follows;

When the financial institution receives a request for a financial document, the financial institution compares the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter. A computer terminal located at the financial institution is connected to both the off-site and on-site storage systems through a processing unit. ~~The computer terminal~~ processing unit is utilized to, at least partially, automatically access one of the storage systems in response to the comparison of the specific document parameter to the predetermined parameter. For instance, if it is determined that the specific document parameter is less than or equal to the predetermined document parameter, then the ~~computer terminal~~ processing unit accesses the second or on-site storage system. On the other hand, if it is determined that the specific document parameter of the financial document is greater than the predetermined parameter, then the ~~computer terminal~~ processing unit accesses the first or off-site storage system. As stated below, the computer terminal may be used to feed a request into the processing unit.

Please delete the paragraph beginning at page 5, line 5, and ending at page 5, line 12.

Please amend the paragraph beginning at page 5, line 13, as follows;

~~Finally, after the identification data of~~ After the requested financial document is accessed ~~inputted~~, the requested document is then retrieved in order to reproduce the financial document, and distribute the financial document to an end user of the financial

institution.

Please amend the paragraph beginning at page 5, line 16, as follows;

The subject invention therefore provides a method that enables financial institutions to obtain electronically-stored financial documents from ~~[[an]]~~ on-site and off-site storage systems ~~system via a secondary interface that is specifically inter linked with the off site storage system and the financial documents electronically stored in that system.~~ As such, the financial institution can selectively store financial documents in either an on-site storage system or the off-site storage system, and the responsibility for the financial documents in the on-site or off-site storage systems ~~system~~ can be outsourced to a third party entity. Further, the documents can be stored in different fixed mediums, such as microfiche, microfilm, digitally, electronically, etc., and can be stored in different geographical locations. Therefore, the back office production of the financial institution associated with the retrieval and distribution of financial documents stored in the on-site or off-site storage systems ~~system~~ is strategically reduced or even completely eliminated.

Please amend the paragraph beginning at page 6, line 20, as follows;

Referring to the Figures, wherein like numerals indicate like or corresponding parts throughout the several views, a method for a financial institution to obtain an electronically-stored financial document is schematically shown at 10 in Figure 1. The method introduced in the subject invention enables the financial institution to obtain the financial document from one of a first or an off-site storage system and remotely located from a second or an on-site storage system with the storage systems being different from each other. Preferably, the on-site storage system is located at the financial institution and the off-site storage system is located at a remote location distant from the financial institution. This allows the financial institution to 'outsource' the responsibilities associated with obtaining the financial document.

Please amend the paragraph beginning at page 10, line 7, as follows;

Referring now to Figure 1, the method for banks to obtain electronically-stored financial documents is discussed in detail in accordance with a general scope of the subject invention. Initially, the requesting client requests a particular financial document, such as a paid check. The client is typically a customer of the bank or other financial institution. The client's request is inputted into a computer terminal 11 at the financial institution. The computer terminal 11 will be discussed in more detail hereinbelow.

Please amend the paragraph beginning at page 10, line 13, as follows;

From the computer terminal 11, the request is fed into a processing unit 12, which is illustrated as a mainframe computer 12 at the bank. In the preferred embodiment of the subject invention, if the client requests a financial document having a record date earlier than or equal to one year before the current date, then the request, and other requests like it, are processed at the bank in the on-site storage system. That is, the requests are grouped together and downloaded to a downloading terminal 14 at the bank. The downloading may occur at particular intervals such as at the end of each day, every three hours, etc. The sequence number of each check requested is then determined. A document terminal 16 subsequently creates or reproduces the document, i.e., a photocopy of the check. The photocopy is then distributed to the client via facsimile, mail, or hand delivery.

Please amend the paragraph beginning at page 13, line 2, as follows;

[[A]] In accordance with one contemplated embodiment of the invention, a bank employee, such as a bank teller first determines a status of the requested document. More specifically, the employee compares the specific document parameter of the requested

Continuation of Serial No.: 12/902,973

financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter. If the specific document parameter is a particular numerical sequence and the predetermined parameter is a predetermined numerical value, then the employee compares the particular numerical sequence of the financial document to the predetermined numerical value to determine if the particular numerical sequence is greater than, less than, or equal to the predetermined numerical value. Further, if as in the preferred embodiment, the particular numerical sequence is a record date of the financial document, and the predetermined numerical value is a pre-selected date, then the employee compares the record date of the financial document to the pre-selected date to determine if the record date is later than, earlier than, or equal to the pre-selected date.

Amendments to the Abstract

Please amend the Abstract as follows;

A method for a bank to obtain an electronically-stored financial document is disclosed. The financial document includes a specific document parameter, such as a record date. The bank maintains the financial document in an off-site storage system when the record date is later than a pre-selected date and in an on-site storage system when the record date is earlier than or equal to the pre-selected date. The off-site storage system is different ~~remotely located~~ from the on-site storage system. The bank receives and inputs a request for the financial document from a client and compares the record date to the pre-selected date to determine if the record date is later than, earlier than, or equal to the pre-selected date. In processing the request, the bank utilizes a computer terminal, connected to the off-site and on-site storage systems through a processing unit, to access one of the storage systems in response to the comparison of the record date to the pre-selected date. After accessing the appropriate storage system, the bank ~~inputs data into the computer terminal to identify the requested financial document and then~~ retrieves the requested financial document. The bank then reproduces the requested financial document and distributes the requested financial document to the requesting client, or some other end user of the bank.

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. - 22. (Cancelled).

23. (New) A method of obtaining an electronically-stored financial document from one of a first storage system and a second storage system with the first and second storage systems being different from each other wherein the first and second storage systems each include a plurality of financial documents stored therein and wherein each of the financial documents is associated with at least one specific document parameter, said method comprising the steps of:

storing a plurality of financial documents in a first fixed medium at the first storage system when the specific document parameter of the financial document is greater than a predetermined parameter;

storing a plurality of financial documents in a second fixed medium at the second storage system when the specific document parameter of the financial document is less than or equal to the predetermined parameter;

utilizing a computer terminal connected to the first and second storage systems through a processing unit;

submitting a request for at least one of the stored financial documents into the computer terminal;

comparing the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter after the request has been submitted;

at least partially automatically accessing the first storage system through the processing unit when the specific document parameter is greater than the predetermined parameter and accessing the second storage system through the processing unit when the

specific document parameter is less than or equal to the predetermined parameter; and
retrieving the requested financial document, as defined by the submitted request,
in the first fixed medium when the specific document parameter is greater than the
predetermined parameter and in the second fixed medium when a specific document
parameter of the financial document is less than or equal to the predetermined
parameter.

24. (New) A method as set forth in claim 23 wherein the first and second fixed
mediums are different from each other.

25. (New) A method as set forth in claim 24 wherein the step of storing a
plurality of financial documents in a first fixed medium is further defined as storing a
plurality of financial documents on a physical media.

26. (New) A method as set forth in claim 25 wherein the step of storing a
plurality of financial documents in a second fixed medium is further defined as
electronically storing the plurality of financial documents in a fixed electronic medium.

27. (New) A method as set forth in claim 24 wherein the step of storing a
plurality of financial documents in a first fixed medium is further defined as
electronically storing the plurality of financial documents in a fixed electronic medium.

28. (New) A method as set forth in claim 27 wherein the step of storing a
plurality of financial documents in a second fixed medium is further defined as storing a
plurality of financial documents on a physical media.

Continuation of Serial No.: 12/902,973

29. (New) A method as set forth in claim 23 wherein the first and second fixed mediums are the same.

30. (New) A method as set forth in claim 23 wherein the step of accessing the first and second storage systems is further defined as accessing only one of the storage systems at any one time to locate the requested financial document.

Remarks

The subject continuation patent application is being filed for continued prosecution of the claims set forth in the parent application. The assigned art unit of the parent application is identified above.

The specification has been amended to set forth a proper claim of priority as is required by 35 U.S.C. 120 and to coincide with the terminology of the claims. No new matter is being introduced.

After entry of the subject preliminary amendment, claims 23-30 will remain pending in the application with only claim 23 being in independent form. Claims 1-22 are currently being cancelled and claims 23-30 are being added. No new matter is being introduced.

It is respectfully submitted that the Application, as amended, is now presented in condition for examination. The Commissioner is authorized to charge our Deposit Account No. 08-2789 for any fees or credit the account for any overpayment.

Respectfully submitted,

HOWARD & HOWARD ATTORNEYS PLLC

Date: October 13, 2011

/Samuel J. Haidle/
Samuel J. Haidle, Registration No. 42,619
450 West Fourth Street
Royal Oak, MI 48067-2557
(248) 723-0334

Electronic Acknowledgement Receipt

EFS ID:	11183385
Application Number:	13272936
International Application Number:	
Confirmation Number:	9130
Title of Invention:	Method of Obtaining An Electronically-Stored Financial Document
First Named Inventor/Applicant Name:	Michael D. Schulze
Customer Number:	27305
Filer:	Samuel Jeffrey Haidle/Julie Barber
Filer Authorized By:	Samuel Jeffrey Haidle
Attorney Docket Number:	060419.00016
Receipt Date:	13-OCT-2011
Filing Date:	
Time Stamp:	17:20:08
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	Application Data Sheet	sb0014.pdf	1089833 cfa34c92afd42dd6f26bf6b5b74f579aa7fde e55	no	5

Warnings:

Information:

2		ContinuationApplication.pdf	145199	yes	29
			82ac13d5daa43152dfd372912c5adbc9eb33044d		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	23	
	Claims		24	28	
	Abstract		29	29	
Warnings:					
Information:					
3	Drawings-only black and white line drawings	Drawings_pdf.pdf	431742	no	4
			76dec0cfab7c1289406b84d727ffb485b1651e99		
Warnings:					
Information:					
4		Preliminary_Amendment.pdf	50311	yes	11
			f8d877dc65d3ce0463e28d5f58699ee75309f8f4		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Preliminary Amendment		1	1	
	Specification		2	7	
	Claims		8	10	
	Applicant Arguments/Remarks Made in an Amendment		11	11	
Warnings:					
Information:					
Total Files Size (in bytes):			1717085		

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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.

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

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	060419.00016
		Application Number	
Title of Invention	Method of Obtaining An Electronically-Stored Financial Document		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.</p> <p>This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2

<input type="checkbox"/>	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
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Applicant Information:

Applicant 1						Remove	
Applicant Authority		<input checked="" type="radio"/> Inventor		<input type="radio"/> Legal Representative under 35 U.S.C. 117		<input type="radio"/> Party of Interest under 35 U.S.C. 118	
Prefix	Given Name	Middle Name		Family Name		Suffix	
	Michael	D.		Schulze			
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service							
City	Troy	State/Province	MI	Country of Residence i		US	
Citizenship under 37 CFR 1.41(b) i		US					
Mailing Address of Applicant:							
Address 1		1607 Kirts					
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Postal Code		48084		Countryⁱ	US		
Applicant 2						Remove	
Applicant Authority		<input checked="" type="radio"/> Inventor		<input type="radio"/> Legal Representative under 35 U.S.C. 117		<input type="radio"/> Party of Interest under 35 U.S.C. 118	
Prefix	Given Name	Middle Name		Family Name		Suffix	
	Richard	J.		Gagnon			
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service							
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	060419.00016	
		Application Number		
Title of Invention	Method of Obtaining An Electronically-Stored Financial Document			
Customer Number	27305			
Email Address	ipdocket@h2law.com		<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>

Application Information:

Title of the Invention	Method of Obtaining An Electronically-Stored Financial Document			
Attorney Docket Number	060419.00016	Small Entity Status Claimed <input type="checkbox"/>		
Application Type	Nonprovisional			
Subject Matter	Utility			
Suggested Class (if any)		Sub Class (if any)		
Suggested Technology Center (if any)				
Total Number of Drawing Sheets (if any)	4	Suggested Figure for Publication (if any)		

Publication Information:

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<input type="checkbox"/>	Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

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Prior Application Status		<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation of	12902973	2010-10-12
Prior Application Status		<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
12902973	Continuation of	12489087	2009-06-22

Application Data Sheet 37 CFR 1.76			Attorney Docket Number		060419.00016
			Application Number		
Title of Invention		Method of Obtaining An Electronically-Stored Financial Document			
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12489087	Continuation of	11202790	2005-08-12	7552118	2009-06-23
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
11202790	Continuation of	10104541	2002-03-22	6963866	2005-11-08
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
10104541	Continuation of	09548490	2000-04-13	6446072	2002-09-03
Prior Application Status		Expired		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
09548490	non provisional of	60129021	1999-04-13		
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Application Number	Country ⁱ	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			<input type="radio"/> Yes <input checked="" type="radio"/> No
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Assignee 1 Remove			
If the Assignee is an Organization check here. <input checked="" type="checkbox"/>			
Organization Name	Mirror Imaging L.L.C.		
Mailing Address Information:			
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City	Southfield	State/Province	MI
Country ⁱ	US	Postal Code	48076
Phone Number		Fax Number	
Email Address			

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	060419.00016
		Application Number	
Title of Invention	Method of Obtaining An Electronically-Stored Financial Document		

Additional Assignee Data may be generated within this form by selecting the **Add** button.

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.

Signature	/Samuel J. Haidle/		Date (YYYY-MM-DD)	2011-10-13	
First Name	Samuel	Last Name	Haidle	Registration Number	42619

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

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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

METHOD OF OBTAINING AN ELECTRONICALLY-STORED FINANCIAL DOCUMENT

RELATED APPLICATIONS

5 This patent application claims priority to and all advantages of United States
Provisional Patent Application Serial No. 60/129,021 which was filed on April 13, 1999 and
is entitled “REMOTE DOCUMENT RETRIEVAL AND STORAGE SYSTEM.”

BACKGROUND OF THE INVENTION

10 **1) TECHNICAL FIELD**

The subject invention relates to a method for a financial institution to obtain electronically-stored financial documents from an off-site storage system remotely-located from an on-site storage system.

2) DESCRIPTION OF THE PRIOR ART

Methods for obtaining electronically-stored financial documents are generally known in the art. Financial institutions, such as banks and credit unions, utilize such methods to rapidly and efficiently obtain financial documents for distribution to clients upon request. Such financial documents include paid checks, account statements, and other related documents. These financial documents are typically stored on microfiche, microfilm, digitally, or by some other electronic storage means. Further, these financial documents are typically electronically-stored in an on-site storage system located at the financial institution or in an off-site storage system. Electronic storage of these financial documents permits financial institutions to eliminate storage of paper or "hard" copies of these documents. The

electronic storage of these documents also provides a means of retrieving the information from the on-site and off-site storage systems.

Once the document is stored, the client may request an image of a particular stored document. Client requests are made to replace lost or stolen documents, for tax purposes, for proof of financial transactions, for legal disputes, and other similar matters. The client's request is inputted into a computer terminal at the financial institution. More specifically, conventional methods for obtaining an electronically-stored financial document enable an employee of the financial institution, such as a bank teller, to input the request into an interface incorporated into the computer terminal. The interface is inter-linked with the on-site storage system. Typically, all requests for a particular period are grouped together and subsequently downloaded for retrieval of the requested image by the financial institution. The financial institution retrieves the image, e.g. a photocopy of the check, and then distributes the photocopy to the client via facsimile, mail or hand delivery. The storing, downloading, and retrieving of the financial document, including the reproduction and the distribution of the document, are known in the industry as back office production. Back office production for financial institutions is particularly resource intensive, time consuming, and expensive. Also, back office production becomes increasingly expensive if the client requests a particularly old financial document because older financial documents frequently require more resources and time to locate and retrieve.

The majority of financial institutions electronically store financial documents only in an on-site storage system and not in an off-site storage system. Consequently, these financial

institutions are unable to outsource the responsibilities for the back office production to third party entities to alleviate the expenses and resources associated with the back office production. These financial institutions realize a significant financial burden since the back office production is concentrated strictly at the financial institution.

5 Other financial institutions do electronically store financial documents in on-site and off-site storage systems. However, the methods utilized by these financial institutions to access the financial documents stored in the off-site storage system are deficient in that the interface utilized in such methods is only inter-linked with the on-site storage system. That is, there is no interface independently inter-linked with the off-site storage system. As a result, the financial documents stored in the off-site storage system can not be efficiently accessed. These financial institutions are still responsible for retrieving the requested financial documents through their back office production and their expenses remain high. One such method of retrieving documents from on-site and off-sited storage systems is disclosed in United States Patent No. 5,784,610 to Copeland, III et al.

15 Due to the inefficiencies identified in the conventional methods used by financial institutions to obtain financial documents, it is desirable to implement a method for a financial institution to obtain electronically-stored financial documents from both on-site and off-site storage systems that reduces, if not eliminates, the back office production of the financial institution by providing a direct interface inter-linked with the off-site storage system. With such an interface, the responsibility for retrieving financial documents from the off-site storage can be outsourced to third party entities while still providing the financial institution

with efficient access to any financial documents electronically-stored in the off-site storage system.

SUMMARY OF THE INVENTION AND ADVANTAGES

5 A method for a financial institution to obtain electronically-stored financial documents having a specific document parameter is disclosed. The specific document parameter is typically a particular numerical sequence, such as a record date of the financial document. The method of the subject invention enables the financial institution to obtain the financial documents from an off-site storage system. The off-site storage system is remotely-located
10 from an on-site storage system. The financial documents of the financial institution are maintained in the off-site storage system when the specific document parameter of the financial document is greater than a predetermined parameter. The financial documents that are less than or equal to the predetermined parameter are maintained in the on-site storage system.

15 When the financial institution receives a request for a financial document, the financial institution compares the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter. A computer terminal located at the financial institution is connected to both the off-site and on-site storage systems. The
20 computer terminal is utilized to access one of the storage systems in response to the comparison of the specific document parameter to the predetermined parameter. For instance,

if it is determined that the specific document parameter is less than or equal to the predetermined document parameter, then the computer terminal accesses the on-site storage system. On the other hand, if it is determined that the specific document parameter of the financial document is greater than the predetermined parameter, then the computer terminal
5 accesses the off-site storage system.

After the computer terminal accesses the appropriate storage system, identification data of the requested financial document is inputted into the computer. More specifically, to access the on-site storage system, the identification data is input into a primary interface that is specifically inter-linked with the on-site storage system. To access the off-site storage
10 system, an exit function is selected at the primary interface and the identification data is then input into a secondary interface that is initiated upon selection of the exit function. The secondary interface is specifically inter-linked with the off-site storage system.

Finally, after the identification data of the requested financial document is inputted, the requested document is then retrieved in order to reproduce the financial document, and
15 distribute the financial document to an end user of the financial institution.

The subject invention therefore provides a method that enables financial institutions to obtain electronically-stored financial documents from an off-site storage system via a secondary interface that is specifically inter-linked with the off-site storage system and the financial documents electronically-stored in that system. As such, the financial institution can
20 selectively store financial documents in either an on-site storage system or the off-site storage system, and the responsibility for the financial documents in the off-site storage system can be

outsourced to a third party entity. Therefore, the back office production of the financial institution associated with the retrieval and distribution of financial documents stored in the off-site storage system is strategically reduced or even completely eliminated.

BRIEF DESCRIPTION OF THE DRAWINGS

Other advantages of the present invention will be readily appreciated as the same becomes better understood by reference to the following detailed description when considered in connection with the accompanying drawings wherein:

Figure 1 is a flow diagram schematically detailing an on-site storage system, and an off-site storage system in accordance with the subject invention;

Figure 2 is a block diagram generally representing a method for a financial institution to obtain electronically-stored financial documents from the on-site and off-site storage systems;

Figure 3 is a block diagram completing the method of obtaining electronically-stored financial documents from the on-site storage system; and

Figure 4 is a block diagram completing the method of obtaining electronically-stored financial documents from the off-site storage system.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring to the Figures, wherein like numerals indicate like or corresponding parts throughout the several views, a method for a financial institution to obtain an electronically-stored financial document is schematically shown at 10 in Figure 1. The method introduced in

the subject invention enables the financial institution to obtain the financial document from an off-site storage system remotely located from an on-site storage system. Preferably, the on-site storage system is located at the financial institution and the off-site storage system is located at a remote location distant from the financial institution. This allows the financial institution to ‘outsource’ the responsibilities associated with obtaining the financial document.

Methods for financial institutions to obtain electronically-stored documents are frequently used by such entities as banks, credit unions, and other financially-oriented institutions. For illustrative purposes only, the description of the subject invention is discussed with reference to banks. However, as appreciated by those skilled in the art, other businesses, such as insurance companies, may also utilize similar methods and incorporate the aspects of the subject invention.

Methods for banks to obtain electronically-stored financial documents are generally used by banks to rapidly and efficiently obtain financial documents for distribution to clients upon request. As described above, the financial documents for banks are usually paid checks, checking statements, and other related financial documents, and these documents include at least one specific document parameter. As appreciated by those skilled in the art, it is not the financial document (e.g. the paid check) itself that is electronically-stored. Rather, it is data included on the document such as a sequence number that is electronically stored to make up the financial document. The specific document parameter is preferably a particular numerical sequence. As appreciated, the specific document parameter of the financial document can include, but is not limited to, a record date or age of the document, a series number, or some

other document identifying number of the financial document. More specifically, in the preferred embodiment of the subject invention, the particular numerical sequence of the financial document is the record date of the financial document. That is, the date that the particular financial document was created or posted.

5 The financial documents are typically stored on microfiche, microfilm, digitally, or by some other electronic storage means. As appreciated, the electronic storage of the financial documents is frequently created by taking an electronic photo image of the document and storing the photo image in a computer system. One such digital electronic storage device is sold by Kodak under the name of *IMAGELINKTM* Digital Workstation (IDW). Electronic
10 storage of these financial documents permits banks to eliminate storage of paper or "hard" copies of these documents. The electronic storage of these documents also provides an efficient means of retrieving the information from the on-site and off-site storage systems. This will be discussed further herein below.

 As described above, the financial documents are electronically-stored in either the on-
15 site storage system located at the bank or in the off-site storage system remotely located from the on-site storage system. More specifically, the subject invention includes the step of maintaining the financial documents in the off-site storage system when the specific document parameter of the financial document is greater than a predetermined parameter. Financial documents are maintained in the on-site storage system when the specific document parameter
20 of the financial document is less than or equal to the predetermined parameter. As appreciated, the document parameter of the financial documents stored in the off-site storage

system may be greater than or equal to the predetermined parameter with the on-site storage system having documents only less than the predetermined parameter.

Similar to the specific document parameter of the financial document, the predetermined parameter is also a numerical value. The predetermined parameter is specifically a numerical value predetermined by the bank. For instance, if the specific document parameter is a series number of a paid check and the series number is greater than the predetermined parameter which, in this case, would be an arbitrarily selected base series number, then the paid check would be stored in the off-site storage system.

In the preferred embodiment of the subject invention, the predetermined numerical value is a date pre-selected by the bank. For instance, the bank may pre-select a date that is one year before a current date—the current date being the actual date that the client requests the financial document. Of course, the bank may pre-select a date that is some other time period before a current date (e.g. two or three years) without varying from the scope of the subject invention. As such, if the record date of the particular financial document is older than one year, then the particular financial document is maintained in the off-site storage system. If the record date of the particular financial document is earlier than or equal to one year, then the particular financial document is maintained in the on-site storage system. As discussed above, the document having record dates equal to the one year may be stored in the off-site or on-site storage systems.

Once the financial document is maintained in the appropriate storage system, the bank is capable of receiving a request for the financial document from the client. In reality, the

client is requesting an image of the stored financial document. As appreciated, clients request the image for various reasons. As discussed above, requests are typically made for replacing lost or stolen financial documents, for tax purposes, for proof of financial transactions, for legal disputes, and other similar matters. Ultimately, the bank retrieves the image, reproduces the image, and distributes the reproduced image to the requesting client of the bank.

Referring now to Figure 1, the method for banks to obtain electronically-stored financial documents is discussed in detail. Initially, the requesting client requests a particular financial document, such as a paid check. The client is typically a customer of the bank or other financial institution. The client's request is inputted into a computer terminal 11 at the financial institution. The computer terminal 11 will be discussed in more detail hereinbelow.

From the computer terminal 11, the request is fed into a mainframe computer 12 at the bank. In the preferred embodiment of the subject invention, if the client requests a financial document having a record date earlier than or equal to one year before the current date, then the request, and other requests like it, are processed at the bank in the on-site storage system. That is, the requests are grouped together and downloaded to a downloading terminal 14 at the bank. The downloading may occur at particular intervals such as at the end of each day, every three hours, etc. The sequence number of each check requested is then determined. A document terminal 16 subsequently creates or reproduces the document, i.e., a photocopy of the check. The photocopy is then distributed to the client via facsimile, mail, or hand delivery.

It is known in the art that the majority of requests for financial documents are requests for documents which were created in the most recent year. That is, if the pre-selected date is one year before the current date, as in the preferred embodiment, then the majority of requests are seeking financial documents having a record date earlier than or equal to the pre-selected date. The remaining document requests relate to financial documents that are older than one year. Since, as described in the Background of the Invention, retrieval of financial documents that are older than one year is particularly expensive, the preferred embodiment of the subject invention outsources all of the document requests which relate to documents having a record date later than one year before the current date. As appreciated, the particular time frame which is outsourced is not a critical feature of the subject invention and may be adjusted to meet the needs of any particular financial institution. In fact, all of the document requests, including the most recent, may be outsourced using the outsourcing procedure of the subject invention.

In the preferred embodiment, if the client requests a financial document having a record date later than one year before the current date, then the request, and others like it, are grouped together and downloaded from the mainframe computer 12 to an outsourced downloading terminal 18. As above, the downloading may be at particular intervals as needed. The sequence number is determined by a sequencing terminal 20. The sequence number is then sent back to the outsourced downloading terminal 18. An outsourced document terminal 22 then creates or reproduces the desired document which is then distributed to either the client or the bank. As appreciated, two document retrieval operations, one for the bank to

retrieve financial documents having record dates earlier than or equal to one year before the current date, and another to retrieve outsourced financial documents having record dates later than one year before the current date, preferably operate simultaneously. It is to be understood that the computer terminals and the accompanying PC bases are illustrated highly schematically in Figure 1 and are not intended to be limiting in any manner. For instance, the schematic illustration of the outsourced document terminal 22 need not include a computer terminal and an accompanying PC base. Instead, the outsourced document terminal 22 is preferably some sort of printing device.

Referring to Figures 2 through 4, the method for banks to obtain electronically-stored financial documents is described in even greater detail. The request is first generated by the client. The request is then processed by the bank. The processing, retrieval and reproduction of the requested financial document is typically controlled by one interlinked computer software program. One such computer software program is a software program called Antinori Software Incorporated or ASI which is sold under the name of *INNOVASIONTM* by Carreker-Antinori of Dallas, Texas. However, other frequently used software programs include *PEGATM* and *SterlingTM*. Any of these computer software systems can provide the necessary means for implementing the discussed procedures.

The processing of the request is completed by a customer service tracking system and the computer terminal 11. The customer service tracking system assists the financial institution in receiving the request. More specifically, the customer service tracking system gives branches, customer service, and other bank departments the capability to enter, log, track,

route and monitor the status of all requests for financial documents. The customer service tracking system also provides the capability to enter, log, track, route and monitor the status of customer complaints and other customer service related items.

5 A bank employee, such as a bank teller first determines a status of the requested document. More specifically, the employee compares the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter. If the specific document parameter is a particular numerical sequence and the predetermined parameter is a predetermined numerical value, then the employee compares the particular
10 numerical sequence of the financial document to the predetermined numerical value to determine if the particular numerical sequence is greater than, less than, or equal to the predetermined numerical value. Further, if as in the preferred embodiment, the particular numerical sequence is a record date of the financial document, and the predetermined numerical value is a pre-selected date, then the employee compares the record date of the
15 financial document to the pre-selected date to determined if the record date is later than, earlier than, or equal to the pre-selected date.

The customer service tracking system enables a bank employee, such as a bank teller, to submit the request. More specifically, the employee utilizes the computer terminal 11 located at the bank and connected to both the off-site and on-site storage systems to access one of the
20 storage systems in response to the comparison of the specific document parameter of the requested financial document to the predetermined parameter. For instance, when the

particular numerical sequence of the financial document is greater than the predetermined numerical value, the employee preferably utilizes the computer terminal 11 to access the off-site storage system, and when the particular numerical sequence of the financial document is less than or equal to the predetermined numerical value, the employee preferably utilizes the computer terminal 11 to access the on-site storage system. As discussed above, the documents have a numerical sequence equal to the predetermined numerical value may be stored in either the off-site or on-site storage systems.

After the computer terminal 11 is utilized to access the desired storage system, the employee manually inputs identification data of the requested financial document into the computer terminal 11. More specifically, when the particular numerical sequence of the financial document is less than or equal to the predetermined numerical value, the employee inputs identification data into a primary interface and selects the requested document. Also, the primary interface preferably provides an option for the employee to select among several different output formats. The primary interface is inter-linked with the on-site storage system.

In the preferred embodiment of the subject invention, the primary interface appears as follows and includes the identification data detailed below:

Account Number:		Prod Type:	
Account Name:		Customer Code:	
Address:			
City:	State:	Zip Code:	
Home Phone: ()		Work Phone: ()	
Fax: ()			
Service Code:			
For Items Posted Within A Year			
Copy of Statement Only		Savings Items	
Copy of Check/Deposit Ticket		Misc (G/L, Loans, Teller, Etc)	
Check(s)/Deposit(s)<30 Items		Cash Letter Reconstruction	
Statements and<30 Items		Lockbox	
Statements and>30 Items		Legal Statement Only	
Deposit Reconstruction		Legal Statement and Items	
Regardless of Posting Date			
Missing Transactions		Returned Items	
Online (Backdated/Unposted) Encoding Error/Wrong Account			
<hr/>			
<i>EXIT FUNCTION</i>			

Alternatively, when the particular numerical sequence of the financial document is greater than the predetermined numerical value, the employee selects an exit function at the primary interface. The exit function distinguishes that the request is to be sent to an outsourcing third party entity. Upon selection of the exit function at the primary interface, a secondary interface, inter-linked with the exit function, is initiated. The secondary interface is inter-linked with the off-site storage system. The employee inputs identification data into the secondary interface and selects the requested document. Also, the secondary interface

preferably provides an option for the employee to select among several different output formats. Preferably, routing, or service codes will be generated automatically upon the initiation of the secondary interface and the inputting of the identification data into the secondary interface. The routing codes enable the bank to recognize that the request is being
5 sent to the outsourced third party entity. Furthermore, the routing codes are configured to automatically forward the inputted identification data to the off-site storage system. The inputted identification data and the routing codes are forwarded into the mainframe computer
12 introduced above for temporary storage before transfer to the off-site storage system. This temporary storage also serves to defend against unexpected power outages, computer
10 malfunctions, and the like. In the preferred embodiment of the subject invention, the secondary interface appears as follows and includes the identification data detailed below:

Account Number:		Prod Type:	
Account Name:		Customer Code:	
Address:			
City:	State:	Zip Code:	
Home Phone: ()		Work Phone: ()	
Fax: ()			
Service Code:			
For Items Posted Prior to a Year			
Copy of Statement Only		Savings Items	
Copy of Check/Deposit Ticket		Misc (G/L, Loans, Teller, Etc)	
Check(s)/Deposit(s)<30 Items		Cash Letter Reconstruction	
Statements and<30 Items		Lockbox	
Statements and>30 Items		Legal Statement Only	
Deposit Reconstruction		Legal Statement and Items	

Once the bank employee has inputted the necessary identification data into either the primary or secondary interface, then retrieval of the financial document can continue. Specifically, the requested financial document is retrieved as defined by the inputted identification data. Two separate document retrieval procedures are discussed hereinbelow.

One document retrieval procedure is for the financial documents having a record date earlier than or equal to the pre-selected date—one year before the current date in this example. The other document retrieval procedure is for the financial documents having a record date later than the pre-selected date. As discussed above, the one year timing selected for the pre-selected date is simply shown as an example and any suitable time frame may be utilized. In fact, even all

financial document retrievals may be outsourced to the third party entity. As also discussed above, the two separate document retrieval procedures will typically operate simultaneously.

With reference to the subject example, if the record date of the financial document is earlier than or equal to one year before the current date, the remaining steps occur at the bank.

5 As discussed above, these steps are known as the back office production of the bank. The request is first categorized by a research automation system. The research automation system automates the entire workflow of a bank's research and photocopy departments by sending requests to the appropriate sequence for processing. The downloading terminal 14 serves to perform the research automation system's tasks.

10 Photocopy requests are routed to an image control system, statement requests are sent to a document retrieval system, and requests for financial adjustments are routed to an adjustment system. The document terminal 16 serves to perform these tasks. In the illustrated embodiment of the subject invention, the sample document request is for a paid check. Hence, the categorized sequence will be the image control system which handles photocopy requests.

15 Referring now to Figure 3, after the request is categorized, the request is verified for completeness and accuracy. If the request is not complete then additional data is retrieved. The additional data is retrieved by using a sequence number retrieval system and/or an all items research system. Once the request is complete and accurate, then the image reference number can be determined. That is, once the request is complete and accurate, then the requested
20 financial document can be electronically located in the on-site storage system. The reference number may be a routing, sequence, or any other type of indicator. The reference number is

determined by the image control system. The image control system is an image retrieval and routing management system which works in conjunction with Kodak's *IMAGELINK*TM Digital Workstations (IDW). Specifically, the image control system first connects to a network node. The network node is any type of storage device as is known in the art. Preferably a Kodak
5 network node is used. The network node drives the IDW to find the location of the image by using the reference number. Specifically, the employee is prompted to verify that the correct media is loaded in the IDW such that the IDW can locate the image. The reference number for the document is known and the document image is now verified and located.

The requested image can now be retrieved and reproduced. In other words a copy of
10 the digitized document (the check) is created. The copy may be created by manually pulling the microfilm, microfiche, or the like and photocopying the document. The copy may also be made by printing the document from a digitized record. The photocopy of the check is then distributed to the requesting client or other end user of the financial institution. Other end users of the financial institution include, but are not limited to, other financial institutions and
15 federal and state governments. Additional information such as a photocopy report, a statement of charges, a research report and/or a daily status report may also be produced for the requesting client, the other end user, and/or the financial institution. The document retrieval system incorporated at the bank and the method for obtaining electronically-stored financial documents from the on-site storage system is now completed.

20 Continuing with the subject example, if the record date of the financial document is later than one year before the current date, the automated retrieval of the financial document is

outsourced to the third party entity. To begin, a separate file is automatically generated at the bank by the input of the identification data into the secondary interface. Referring specifically to Figure 4, the routing codes direct the request created on the separate file to be routed separately to the outsourced third party entity. In the preferred embodiment of the subject invention, additional user ID's are created to allow only selected users into the secondary interface. The identification data stored in the separate file and the routing codes are downloaded to the off-site storage system for retrieval of the requested financial documents by the outsourced downloading terminal 18. Preferably, the identification data and routing codes are grouped into batches of common requests for optimum retrieval of the requested financial document by the outsourced third party entity at the off-site storage system. The downloading step may occur at any suitable predetermined interval. Preferably, the downloading will occur three times a day. The downloaded documents are known in the industry as a basket of requests.

The subject method further includes the step of creating a back-up file of the downloaded identification data and routing codes in the off-site storage system. The back-up file acts as an emergency information source in case the mainframe computer 12 at the financial institution has a catastrophic failure. In addition, the outsourced third party entity is in direct connection with the mainframe computer 12 of the bank wherein the outsourced third party entity may produce a backup directory of each database file. This database backup is an additional safe guard for the financial institution.

The downloaded identification data and routing codes are then categorized for processing in the off-site storage system. The research automation system categorizes this

information in a like fashion as discussed above. In fact, the outsourced third party entity uses the same computer software package as the financial institution such that the flow of information is optimum and not interrupted. As discussed above, the subject example request is for a paid check. Hence, the request will be categorized into the image control system and a sequence
5 number will be determined by the sequencing terminal 20. Also, a status to update the progress of the requested financial document is provided to the financial institution.

After the request is categorized, the request, specifically the inputted identification data, is verified for completeness and accuracy. If the request is not complete or accurate, then additional data is retrieved. In a similar fashion as above, the additional data is retrieved
10 by using the sequence number retrieval system and/or the all items research system. As appreciated, the outsourced third party entity may retrieve this information from the mainframe computer 12, via its direct line, or from its own backup database files. Once the request is complete and accurate, the image reference number can be determined. Again, as above, the reference number is determined by the image control system.

15 The requested image is then retrieved. More specifically, the requested financial document is electronically located in the off-site storage system. Additionally, the requested financial document is also reproduced after the document is electronically located in the off-site storage system by the outsourced document terminal 22. In other words, a copy of the digitized document (the check) is created. A status file is then created for the completed
20 transaction. Also, a status of the request is sent to the financial institution wherein the institution may update their records. The status updates, as well as the information

connections, create a two way information exchange between the outsourced third party entity and the bank.

The photocopy of the check is then distributed or digitally transferred to the requesting client, the financial institution, or other end users of the financial institution. In the preferred embodiment of the subject invention, the photocopy of the request is distributed to the requesting client, etc. based on the routing codes. That is, in addition to directing the request to be separately routed to the outsourced third party entity, the routing codes also indicate an appropriate distribution for the request client or other end user. The request is now completed.

A special circumstance occurs when the record date of one portion of the client's request is earlier than or equal to one year before the current date, and when the record date of another portion of the client's request is later than one year before the current date. These types of requests are known in the industry as spanned requests. One solution is to incorporate an additional interface utilized when the employee of the bank is utilizing the computer terminal and comparing the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less than, or equal to the predetermined parameter. If the request is a spanned request, then the request will be split into two separate requests which can be handled simultaneously. A special notation would be put onto the requests such that they may be put back together before distributing the documents to the client or other end user. Another solution simply notifies the inputting employee that two requests should be entered separately. A third solution sends the

request to the back office production at the bank wherein the back office employees notify the outsourced third party entity by a separate request to retrieve the requested financial documents.

The invention has been described in an illustrative manner, and it is to be understood that the terminology which has been used is intended to be in the nature of words of
5 description rather than of limitation. Obviously, many modifications and variations of the present invention are possible in light of the above teachings. It is, therefore, to be understood that within the scope of the appended claims, wherein reference numerals are merely for convenience and are not to be in any way limiting, the invention may be practiced otherwise than as specifically described.

CLAIMS

What is claimed is:

1. A method for a financial institution to obtain an electronically-stored financial document from an off-site storage system remotely-located from an on-site storage system wherein the financial document includes at least one specific document parameter, said
5 method comprising the steps of:

maintaining the financial document in the off-site storage system when the specific document parameter of the financial document is greater than a predetermined parameter;

maintaining the financial document in the on-site storage system when the specific
10 document parameter of the financial document is less than or equal to the predetermined parameter;

receiving a request for the financial document at the financial institution;

comparing the specific document parameter of the requested financial document to the predetermined parameter to determine if the specific document parameter is greater than, less
15 than, or equal to the predetermined parameter;

utilizing a computer terminal located at the financial institution and connected to the off-site and on-site storage systems to access one of the storage systems in response to the comparison of the specific document parameter of the requested financial document to the predetermined parameter;

20 inputting identification data of the requested financial document into the computer

terminal after the desired storage system is accessed; and

retrieving the requested financial document as defined by the inputted identification data.

5 2. A method as set forth in claim 1 wherein the specific document parameter of the financial document is a particular numerical sequence and the predetermined parameter is a predetermined numerical value.

 3. A method as set forth in claim 2 wherein the step of comparing the specific document parameter to the predetermined parameter is further defined by comparing the
10 particular numerical sequence of the financial document to the predetermined numerical value to determine if the particular numerical sequence is greater than, less than, or equal to the predetermined numerical value.

 4. A method as set forth in claim 2 wherein the particular numerical sequence of the financial document is a record date of the financial document and the predetermined
15 numerical value is a pre-selected date.

 5. A method as set forth in claim 4 wherein the step of comparing the specific document parameter to the predetermined parameter is further defined by comparing the record date of the financial document to the pre-selected date to determined if the record date is later than, earlier than, or equal to the pre-selected date.

20 6. A method as set forth in claim 2 wherein the step of utilizing the computer

terminal to access one of the storage systems is further defined by accessing the off-site storage system when the particular numerical sequence is greater than the predetermined numerical value and accessing the on-site storage system when the particular numerical sequence is less than or equal to the predetermined numerical value.

5

7. A method as set forth in claim 6 wherein the step of inputting identification data of the requested financial document into the computer terminal is further defined by inputting identification data into a primary interface inter-linked with the on-site storage system when the particular numerical sequence of the financial document is less than or equal
10 to the predetermined numerical value.

8. A method as set forth in claim 7 wherein the step of inputting identification data of the requested financial document into the computer terminal is further defined by selecting an exit function at the primary interface when the particular numerical sequence of the financial document is greater than the predetermined numerical value.

15

9. A method as set forth in claim 8 wherein the selection of the exit function is further defined by initiating a secondary interface inter-linked with the off-site storage system and inputting identification data into the secondary interface.

10. A method as set forth in claim 9 wherein the step of inputting identification data into the secondary interface is further defined by selecting a desired output format for the
20 requested financial document.

11. A method as set forth in claim 9 further including the step of automatically generating routing codes upon the initiation of the secondary interface and the inputting of the identification data into the secondary interface.

12. A method as set forth in claim 11 further including the step of inter-linking the
5 exit function with the secondary interface and configuring the routing codes to automatically forward the inputted identification data to the off-site storage system.

13. A method as set forth in claim 12 further including the step of forwarding the inputted identification data and the routing codes into a mainframe computer for temporarily
10 storing the identification data and routing codes in the mainframe computer.

14. A method as set forth in claim 13 further including the step of downloading the stored identification data and routing codes to the off-site storage system for retrieval of the requested financial documents.

15. A method as set forth in claim 14 further including the step of grouping the
15 stored identification data and routing codes into batches of common requests for optimum retrieval of the requested financial document.

16. A method as set forth in claim 14 further including the step of creating a back-up file of the downloaded identification data and routing codes in the off-site storage system.

17. A method as set forth in claim 14 further including the step of categorizing the
20 downloaded identification data and routing codes for processing in the off-site storage system.

18. A method as set forth in claim 17 further including the step of providing a status of the requested financial document to update progress to the financial institution.

19. A method as set forth in claim 17 further including the step of verifying the completeness and accuracy of the inputted identification data.

5

20. A method as set forth in claim 19 wherein the step of retrieving the requested financial document is further defined by electronically locating the requested financial document in the off-site storage system.

21. A method as set forth in claim 20 wherein the step of retrieving the requested
10 financial document is further defined by reproducing the requested financial document after the requested financial document is electronically located in the off-site storage system.

22. A method as set forth in claim 21 further including the step of distributing the reproduced financial document to an end user of the financial institution based on the routing codes.

ABSTRACT OF THE DISCLOSURE

A method for a bank to obtain an electronically-stored financial document is disclosed.

The financial document includes a specific document parameter, such as a record date. The

5 bank maintains the financial document in an off-site storage system when the record date is later than a pre-selected date and in an on-site storage system when the record date is earlier than or equal to the pre-selected date. The off-site storage system is remotely-located from the on-site storage system. The bank receives a request for the financial document from a client and compares the record date to the pre-selected date to determine if the record date is later
10 than, earlier than, or equal to the pre-selected date. In processing the request, the bank utilizes a computer terminal connected to the off-site and on-site storage systems to access one of the storage systems in response to the comparison of the record date to the pre-selected date. After accessing the appropriate storage system, the bank inputs data into the computer terminal to identify the requested financial document and then retrieves the requested financial
15 document. The bank then reproduces the requested financial document and distributes the requested financial document to the requesting client, or some other end user of the bank.

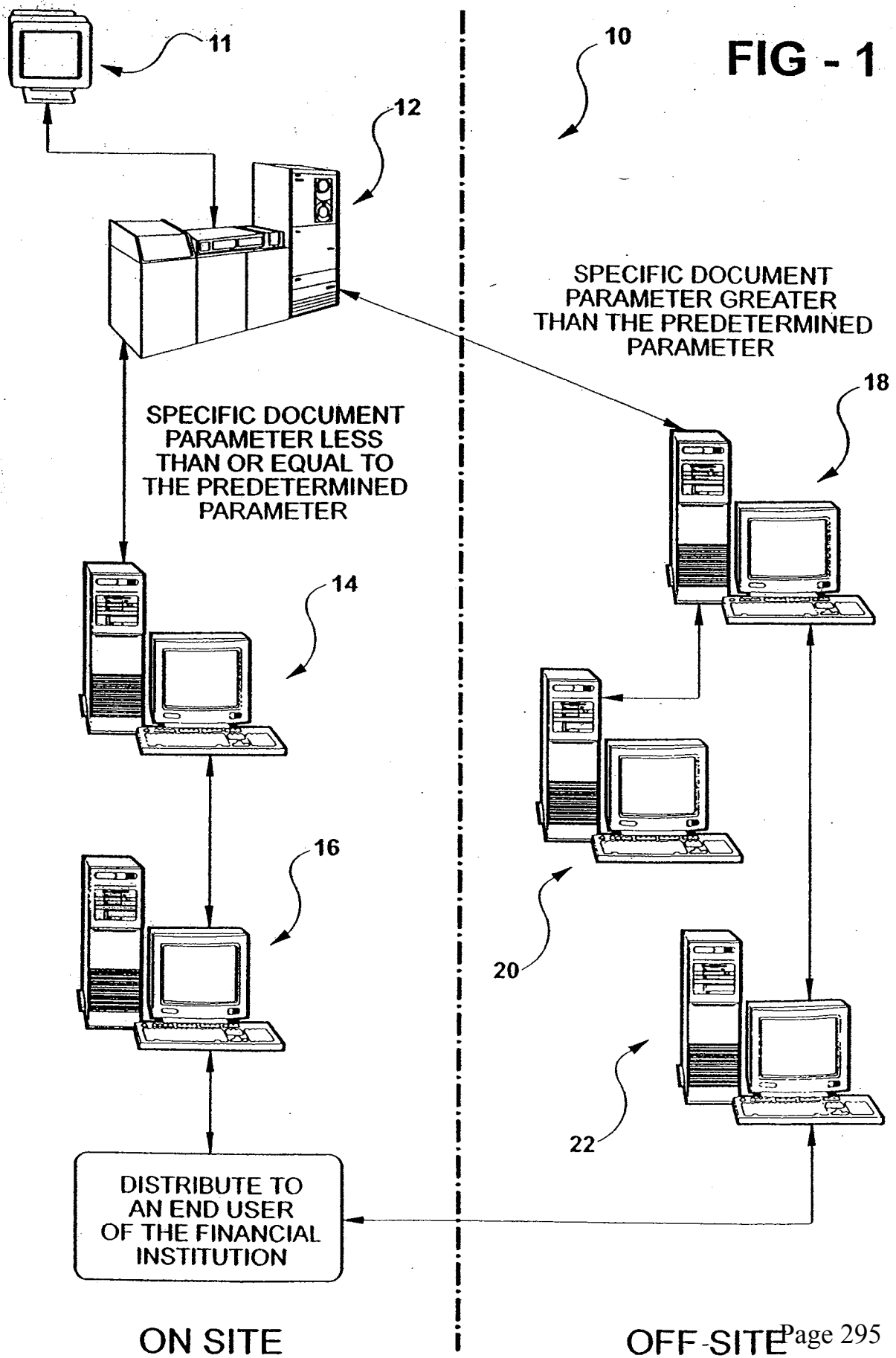
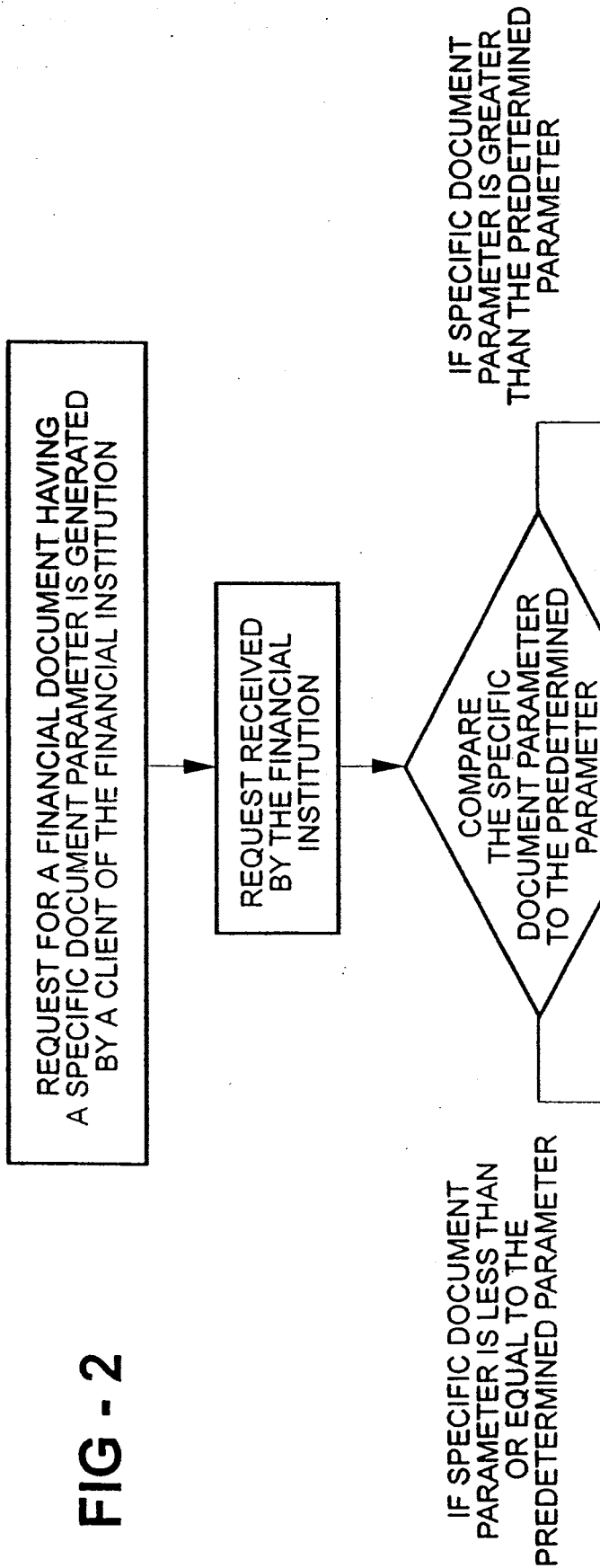


FIG - 2



INPUT IDENTIFICATION DATA OF THE REQUESTED FINANCIAL DOCUMENT

FIG - 3

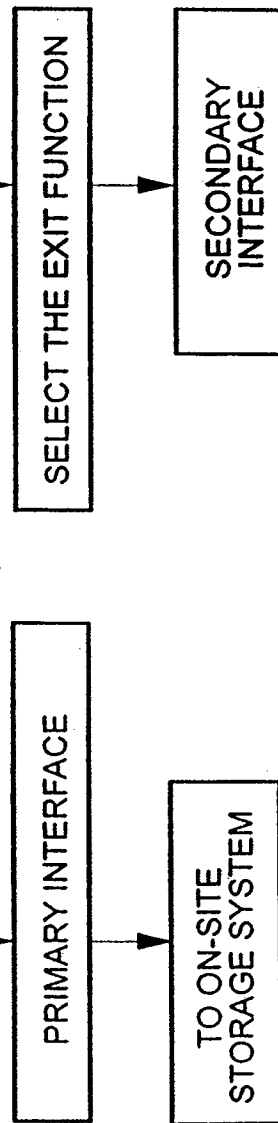
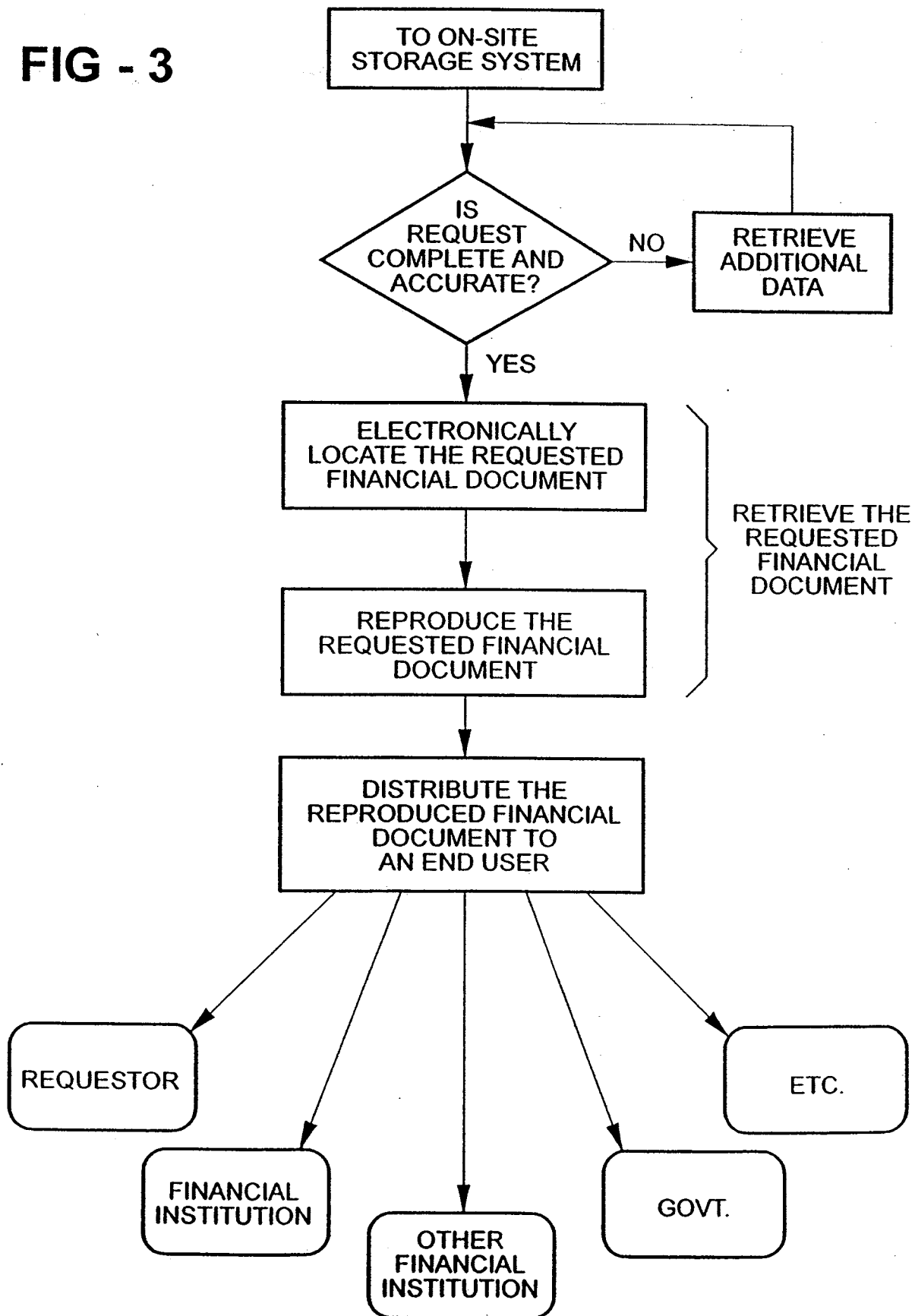


FIG - 4



(ON-SITE STORAGE SYSTEM)

FIG - 3



(OFF-SITE STORAGE SYSTEM)

FIG - 4

