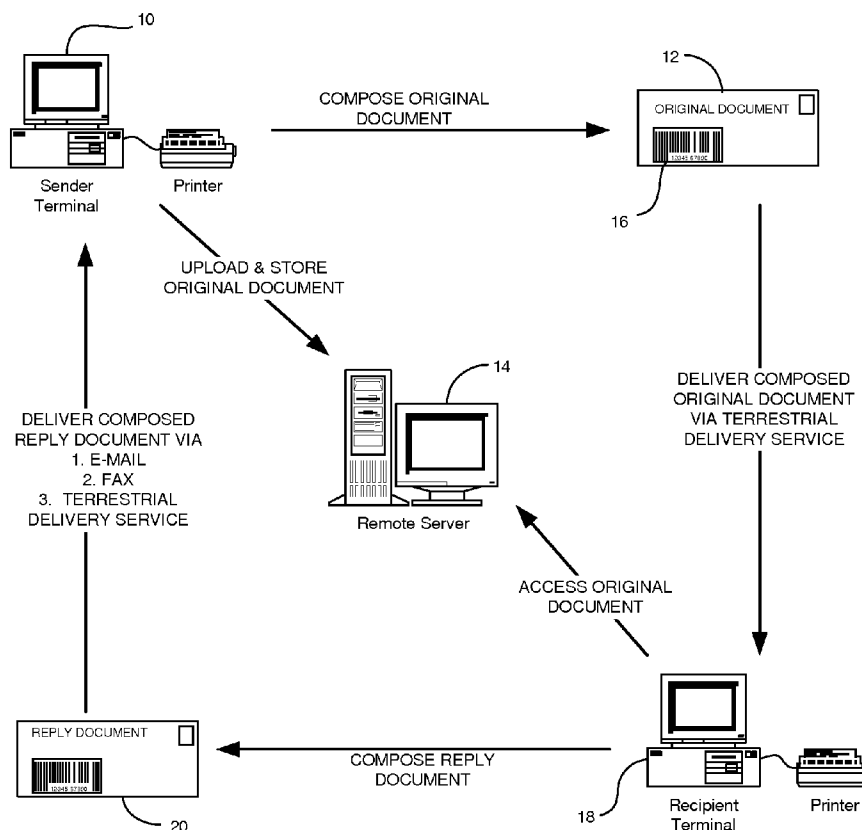




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ROTHSCHILD(10) **Pub. No.: US 2014/0136303 A1**(43) **Pub. Date: May 15, 2014**(54) **SYSTEM AND METHOD FOR LINKING
TERRESTRIAL MAIL OVER A NETWORK**(71) Applicant: **Leigh M. ROTHSCILD**, Sunny Isles
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May 16, 2012, now Pat. No. 8,635,298, which is a
continuation of application No. 11/702,272, filed on
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G06Q 30/06 (2006.01)
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(2013.01); **G06Q 30/0613** (2013.01)USPC **705/14.4**(57) **ABSTRACT**

A system and method for linking terrestrial mail to the global computer network, e.g., the Internet, are provided. The system and method of the present disclosure will enable a user, e.g., a sender and/or recipient of a document, to link all types of terrestrial mail to the global computer network, e.g., the Internet, so that they can digitally access, reply and/or utilize the content of the mail. The system and method provides for receiving an identifier associated with a terrestrial document; accessing an electronic version of the terrestrial document using the received identifier; creating a reply to the accessed document; and forwarding the reply to a sender of the terrestrial document. The reply document can be forwarded by e-mailing the reply to the sender, faxing the reply to the sender and/or printing the reply and delivering the printed reply by a terrestrial delivery service.



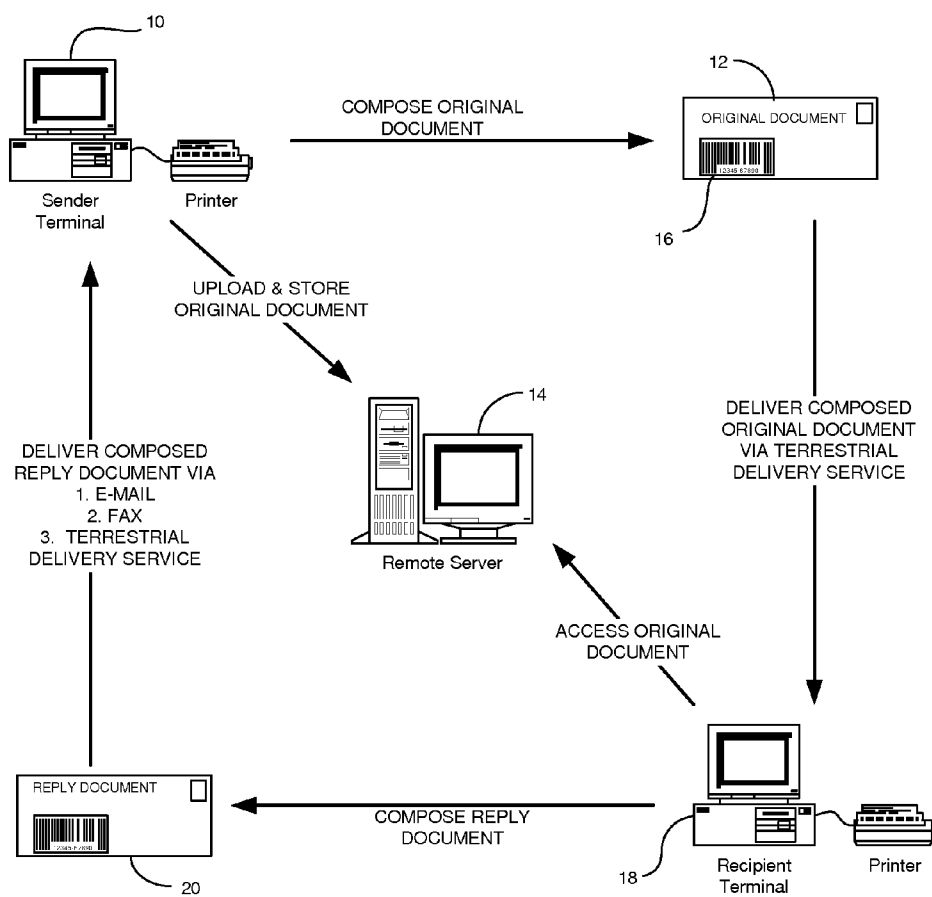


FIG. 1

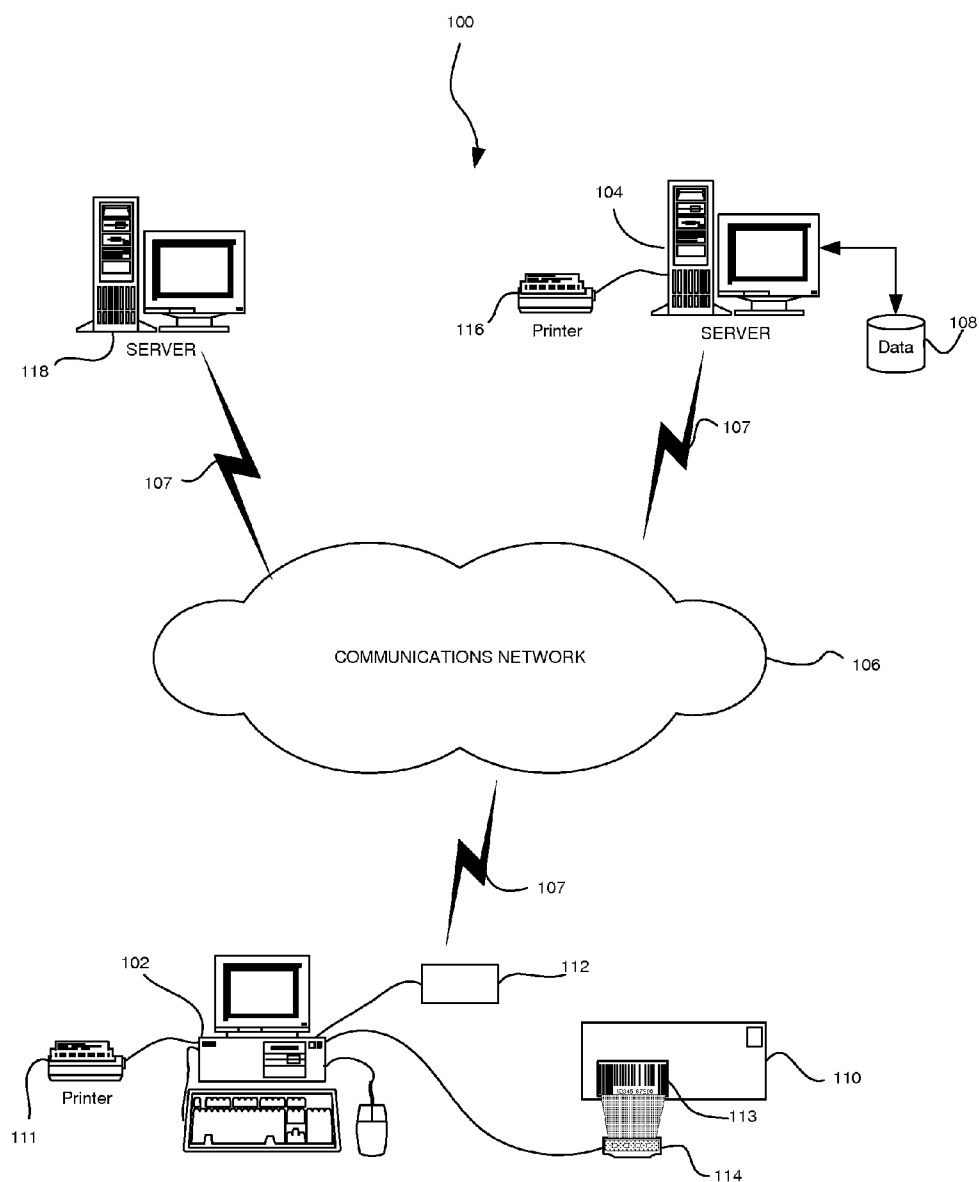


FIG. 2

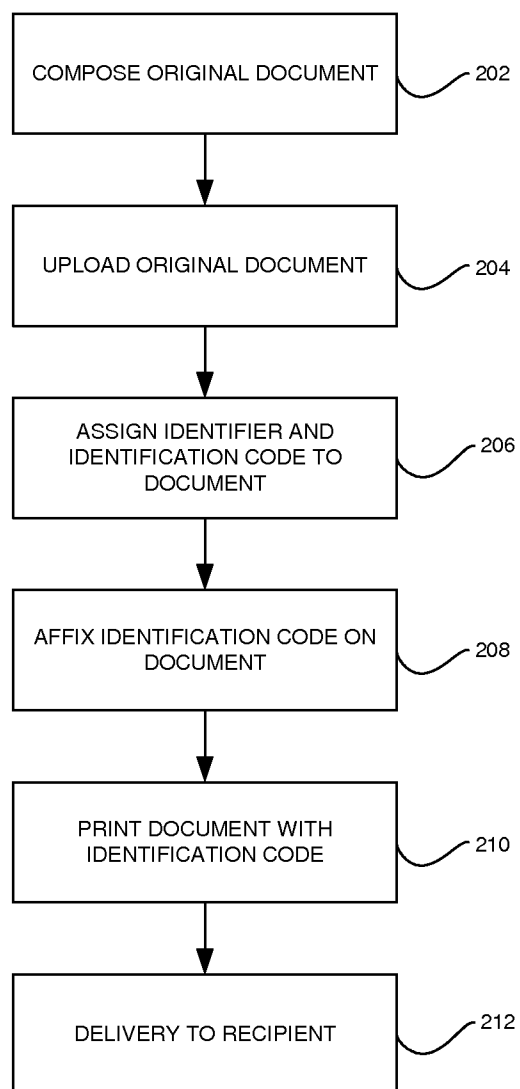


FIG. 3

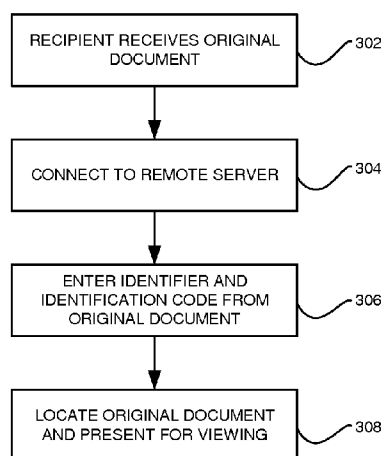


FIG. 4

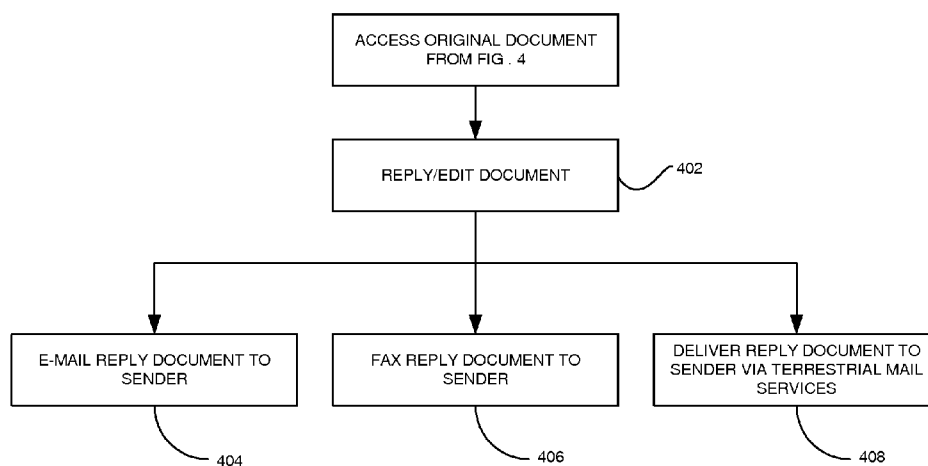


FIG. 5

SYSTEM AND METHOD FOR LINKING TERRESTRIAL MAIL OVER A NETWORK

PRIORITY

[0001] The present application claims priority under the laws of the US including 35 USC 120 as a continuation application of U.S. patent application Ser. No. 13/472,479 filed on May 16, 2012 which in turn claims priority under the laws of the US including 35 USC 120 as a continuation application of U.S. patent application Ser. No. 11/702,272 filed Feb. 5, 2007, all of which are incorporated by reference in their entireties.

BACKGROUND

[0002] 1. Field

[0003] The present disclosure relates generally to data processing and communication systems, and more particularly, to a system and method of linking terrestrial mail to the global computer network, e.g., the Internet, and for replying to the terrestrial mail, previewing the terrestrial mail, and digitally utilizing the terrestrial mail.

[0004] 2. Description of the Related Art

[0005] Ten of billions of pieces of terrestrial mail arrive yearly to recipients. The mail comes in many forms including but not limited to general correspondence, billing statements, invoices for payments, brochures and catalogs, coupon offers, and greeting cards among others. Generally, terrestrial mail is delivered through various services such as the United States Postal Service and premium services such as UPSTM, FEDEXTM and DHLTM to name a few. Delivery of such terrestrial mail is dependent upon many factors including weather conditions, manpower at the delivery service, etc. which effect the speed of delivery.

[0006] Many if not most of these mail recipients have Internet access. No way currently exists to link the articles of terrestrial mail to the Internet so that the recipient can easily reply to or utilize the content contained in the originally sent mail.

[0007] Therefore, a need exists for techniques to allow a user, e.g., a sender or recipient of terrestrial mail, to link the terrestrial mail to a remote server accessible over the Internet so subsequent recipients can easily and quickly reply to the terrestrially received mail.

SUMMARY

[0008] A system and method for linking terrestrial mail to the global computer network, e.g., the Internet, are provided. The system and method of the present disclosure will enable a user, e.g., a sender and/or recipient of a document, to link all types of terrestrial mail to the global computer network, e.g., the Internet, so that the user can digitally access, reply and/or utilize the content of the mail.

BRIEF DESCRIPTION OF THE DRAWINGS

[0009] The above and other aspects, features, and advantages of the present disclosure will become more apparent in light of the following detailed description when taken in conjunction with the accompanying drawings in which:

[0010] FIG. 1 is an overall flow diagram of a system and method for linking terrestrial mail over a network in accordance with an embodiment of the present disclosure;

[0011] FIG. 2 is a diagram of a system for linking terrestrial mail over a network in accordance with an embodiment of the present disclosure;

[0012] FIG. 3 is a flow chart illustrating a method for creating and storing a terrestrial document in accordance with an embodiment of the present disclosure;

[0013] FIG. 4 is a flow chart illustrating a method for accessing an electronic version of a terrestrial document in accordance with an embodiment of the present disclosure; and

[0014] FIG. 5 is a flow chart illustrating a method for replying to a terrestrial document over a network in accordance with an embodiment of the present disclosure.

DETAILED DESCRIPTION

[0015] Preferred embodiments of the present disclosure will be described hereinbelow with reference to the accompanying drawings. In the following description, well-known functions or constructions are not described in detail to avoid obscuring the present disclosure in unnecessary detail.

[0016] A system and method for linking terrestrial mail to the global computer network, e.g., the Internet, are provided. The system and method of the present disclosure will enable a user, e.g., a sender and/or recipient of a document, to link all types of terrestrial mail to the global computer network, e.g., the Internet, so that the user can digitally access, reply and/or utilize the content of the mail.

[0017] Referring to FIG. 1, an overall flow diagram of the system and method of the present disclosure is illustrated. Generally, a sender 10 of terrestrial mail composes an original document 12 either on a local terminal or while accessing a remote server 14 coupled over a network to the sender terminal 10. Once the document 12 is composed, the remote server 14 will generate an identification code to be affixed to the original document. It is to be appreciated the identification code may be placed on the document, e.g., a letter, or on an envelope containing the original document. The original document 12 will be stored on the remote server 14 along with an identifier, e.g., the recipient's name or other code relating to the identity of the intended recipient, and the identification code in a database. The original document is then delivered to the recipient 18 via a terrestrial delivery service. The recipient 18 can then access the original document 12 as stored on the remote server 14 via the recipient's terminal 18. Once connected to the remote server 14, the recipient 18 will enter the identifier and identification code to gain access to an electronic version of the original document. The recipient 18 then can compose a reply document 20, optionally using content from the original document. Once the reply document 20 is completed, the recipient 18 will forward the reply document to the sender via e-mail, fax or a terrestrial delivery service.

[0018] Referring to FIG. 2, a system 100 for linking terrestrial mail to the global computer network is illustrated. The system 100 includes a terminal 102, e.g., a user computer, for accessing a server 104 over a communications network 106, e.g., the Internet. The terminal 102 and server 104 will communicate using any conventional architecture, for example a client/server architecture where the terminal 102 will execute a client application, e.g., a web browser, to access an application executing on the server 104. The terminal 102 will access the server 104 to enable a user to receive an identification code for a document as will be described below. The server 104 will generate the identification code for the document and will store an electronic version of the document in

a database **108**. The server **104** will transmit the document with the identification code affixed to the document to the terminal **102** so a user can print the document and forward the document to an intended recipient via conventional terrestrial delivery methods. The terminal **102** will include a communication module **112** for communicating to the remote server **104**.

[0019] It is to be understood that the present disclosure may be implemented in various forms of hardware, software, firmware, special purpose processors, or a combination thereof. In one embodiment, the present disclosure may be implemented in software as an application program tangibly embodied on a program storage device. The application program may be uploaded to, and executed by, a machine, e.g., terminal **102** or server **104**, comprising any suitable architecture such as a personal computer, a workstation or server. Preferably, the machine is implemented on a computer platform having hardware such as one or more central processing units (CPU), a random access memory (RAM), a read only memory (ROM) and input/output (I/O) interface(s) such as a keyboard, cursor control device (e.g., a mouse or joystick) and display device. A system bus couples the various components and may be any of several types of bus structures including a memory bus or memory controller, a peripheral bus, and a local bus using any of a variety of bus architectures. The computer platform also includes an operating system and micro instruction code. The various processes and functions described herein may either be part of the micro instruction code or part of the application program (or a combination thereof) which is executed via the operating system.

[0020] In addition, various other peripheral devices may be connected to the computer platform of the machine by various interfaces and bus structures, such a parallel port, serial port or universal serial bus (USB). One such peripheral device may include a communications device, e.g., a modem, satellite relay, wireless connection, etc., for enabling communications from the terminal **102** to various servers. Other peripheral devices may include additional storage devices, a printer **111** and a scanner **114**.

[0021] It is to be further understood that, because some of the constituent system components and method steps depicted in the accompanying figures may be implemented in software, the actual connections between the system components (or the process steps) may differ depending upon the manner in which the present disclosure is programmed. Given the teachings of the present disclosure provided herein, one of ordinary skill in the related art will be able to contemplate these and similar implementations or configurations of the present disclosure.

[0022] The terminal **102** and/or server **104** may operate in a networked environment using logical connections to one or more remote computers. The remote computer may be a personal computer, a server, a router, a network PC, a peer device or other common network node, and typically includes many or all of the elements described above relative to the machine. It is to be appreciated that the network **106** may be a local area network (LAN), wide area network (WAN), the Internet or any known network that couples a plurality of computers to enable various modes of communication via network messages. The terminal **102** may communicate to the server **104** and network **106** via any known communication link **107**, for example, dial-up, hardwired, cable, DSL, satellite, cellular, PCS, wireless transmission (e.g., 802.11a/b/g, etc.), etc. Furthermore, the devices will communicate using

the various known protocols such as Transmission Control Protocol/Internet Protocol (TCP/IP), File Transfer Protocol (FTP), Hypertext Transfer Protocol (HTTP), etc. During a purchasing transaction, the computing devices may employ Hypertext Transfer Protocol Secure (HTTPS), Secure Sockets Layer (SSL) Protocol, Secure Electronic Transaction (SEC) Protocol, etc.

[0023] With reference to FIGURES, a system and method of the present disclosure will now be described, where FIG. **3** illustrates a method for creating and storing a terrestrial document, FIG. **4** illustrates a method for accessing an electronic version of a terrestrial document and FIG. **5** illustrates a method for replying to a terrestrial document over a network.

[0024] Initially, a user, e.g., a sender of a terrestrial document, creates and stores a terrestrial document on the global computer network, e.g., the Internet. In step **202**, a sender composes a document. It is to be appreciated the document can include but is not limited to a letter, financial statement, brochure, invoice, catalog, coupon offer, etc. The sender will compose the document using any composition program herein known or known in the future including but not limited to Microsoft Word™, Corel's WordPerfect™, Adobe Photoshop™ or Creative Suite™ or Acrobat™, Microsoft Excel™, Lotus SmartSuite™, etc. The document is then uploaded from the local terminal **102** to the remote server **104**, in step **204**. Alternatively, the sender, or user, can compose the document on the remote server **104** and save the document on the remote server using the remote server's computer processing power. The user will also indicate the user's identity (e.g., the sender's e-mail address or any other unique identification) so that the remote server knows the identity of the originator of the document, i.e., the sender of the document. In another embodiment of the present disclosure, the user can also indicate an addressee of the document, e.g., an intended recipient, by entering the addressee's name, residence address, e-mail address and/or fax number. While entering the addressee's information, the sender can also indicate that the addressee should be sent a preview of the terrestrial document by e-mail or fax. Any other notations regarding the created terrestrial document such as how to file the document (for example, by category, subject matter, file number, etc.) can also be communicated to the remote server **104**. All of the information on the document will be stored in a standard database program such as Oracle's Database™ Microsoft Access™, etc. using standard database storage protocols on storage medium **108**.

[0025] Once the document is saved on the remote server database **108**, the server **104** will assign an identification code to the document, in step **206**. This identification code will be used in conjunction with an identifier of the recipient as the login/password set for future access to the document. The identifier such as the recipient's name on the document is used as the login entry. This identifier will be something that is obvious to the recipient of the document, except in the case of a 'secure' document where the sender will inform the server **104** to not specify a login since the sender has told the recipient the login information, e.g., by word of mouth, e-mail, etc. The remote server **104** will then assign an identification code for this individual document. Each document will have its own identification code. In one embodiment, the identification code will be an alpha-numeric string consisting of at least nine digits and presented in the form of an area code phone number. A sample code would be A9C-RT1-09HG. This alpha-numeric code would allow the remote server **104** to assign more than a thousand trillion identification codes.

The remote server **104** will assign these numbers at random so that no documents fall in a number sequence, to prevent guessing code sequences and 'hacking' into the documents database. The identification code once assigned may be converted to any form of symbology currently known including barcodes such as UPC, EAN, PDF417, etc., photosymbols, standard or specialized text, etc., or any future type of symbology. Once assigned the alpha-numeric string or symbology representing the alpha string will be printed onto the document either as a visible watermark, a digital watermark, or both, such that the recipient of the document can easily read the symbology or that a machine (e.g., a scanner or other type of device) can read the identification code. It is to be appreciated that, in certain embodiments, the identifier and identification code can be used to create a single symbology and/or alpha-numeric code which will simplify entry of this information.

[0026] The sender will then receive via download or other form of communication between the remote server **104** and the sender's terminal **102** the document with the identification code affixed. The document **110** can then be printed by the sender with the identification code **113** (step **210**) and delivered via conventional delivery services including Federal Express, US Postal Service, UPS, DHL, etc. to the recipient (step **212**). If the user is creating the document on the remote server **104**, the server **104** can store and print the document via printer **116**.

[0027] The present disclosure contemplates the use of any known or to be developed document composition programs such as Microsoft Word™, Corel WordPerfect™, Adobe Photoshop™, and other programs. The present disclosure also contemplates adding a plug-in control to a sender's or user's software applications residing on a local terminal (whether the plug-in is supplied by the software publisher or supplied by a third party provider). The plug-in control will allow the documents that are created with these various composition programs on the local terminal to be stored, data based, and the symbology/alpha-numeric strings added to the final document without the user having to manually upload and download the document to the remote server. The plug-in control will seamlessly interact with the remote server and cause an identification code to be generated and the final version of the document to be stored on the remote server in addition to being stored on the local terminal. Once loaded at a local terminal, the plug-in may appear as a button in a toolbar of the document composition program or may appear as an additional and separate toolbar. In this manner, after the document has been created, the user will simply select, or click on, the appropriate button or toolbar with a cursor control device and the local terminal will interact with the remote server and an identification code will be generated for the document as described herein. It is to be appreciated that other software applications, e.g., an applet, may reside on the local terminal which will perform the same functionality as the plug-in.

[0028] Once the document has been created and stored, the document **110** is sent to at least one recipient. The intended recipient will receive the terrestrial mail article **110** (step **302**) and connect to a remote site residing on remote server **104** (step **304**). Although not shown in FIG. 2 as two separate terminals, the sender and/or recipient will employ a terminal similar to terminal **102** and having similar functionality. In step **306**, the recipient enters the identifier from the received correspondence. The recipient may enter the information

manually via the keyboard, voice recognition, etc. or by scanning the identifier via scanning device **114**. The identifier may be the recipient's name on correspondence or any other identifier. The identifier will function as the login name for the website residing on the remote server **104**. The recipient will then enter the identification code **113** printed on the correspondence **110**. The identification code **113** will act as the password for the website. The identification code **113** may be an alpha-numeric string or any other form of symbology currently known (including barcodes, etc). In the case of an alpha-numeric string, the preferred embodiment will be a 9 digit alpha-numeric string which allow the website to assign more than a trillion codes for documents.

[0029] In another embodiment, the recipient may also scan in the document using standard photo scanning or OCR software such as Omni Scan or Kodak Scanning software and the local terminal will use standard computer processing power to read and decode the symbology or alpha-numeric string and store that string in memory and then use standard communications protocols to transmit that decoded string to the remote server site. Alternatively, the recipient may employ a barcode scanner to read the printed symbology from the document.

[0030] Once entered, the login and password will cause the remote server **104** to access standard database software including Microsoft Access™, Oracle™ Software, etc., and, by associating the alpha-numeric string with the database and using standard computer processing power, to locate the requested document and then allow the recipient to view that document on his local terminal **102** (step **308**). In one embodiment of the present disclosure, the recipient may also indicate the user's account login and password and then the remote server will locate all documents that are associated with the user's identity. These documents may be sorted by content, document category, document name, recipient's name, document date, or any other user defined parameters. If the user accesses their account, the subject document, i.e., the newly received document, will then be added into the database of the user stored and accessible documents.

[0031] Once the document is accessed and available on the remote server, the recipient can reply to the document (step **402**). In one embodiment, the recipient may reply by requesting that the remote server transfer the document (e.g., download) to the recipient's local terminal. In another embodiment of the present disclosure, the recipient could also edit/revise the document using the processing power of the remote server **104** and then the remote server could either download the document to the recipient's local terminal **102**, or alternatively, send the document from the remote server and store the document at the remote server. In either case, the recipient can reply to the sender in the following ways:

[0032] 1. E-mail the reply document to a designated addressee (step **404**). The sender's e-mail address can be automatically inserted into the outgoing e-mail if the original document contained such information. The recipient can insert the original document as an attachment to the outgoing e-mail, or insert any of the content from the original document in the outgoing e-mail. The recipient can compose the reply on pre-stored digital letterhead and, when the document is ready to be sent, the reply document can be saved as an image of the document, or as a digital text file that can be read by any conventional word processing program including Microsoft Word™, Corel WordPerfect™, etc.

[0033] 2. Reply by fax (step 406). The recipient can send the reply document using any number of popular Internet fax programs such as eFax™ commercially available from j2 Global Communications of Hollywood, Calif. The sender's fax number can be automatically inserted into the outgoing fax if the original document contained such information. The recipient can insert the original document as an attachment to the outgoing fax, or insert any of the content from the original document in the outgoing fax. The recipient can compose the reply on pre-stored digital letterhead and when the document is ready to be sent, the document can be saved as an image of the document, or as a digital text file that can be read by any conventional word processing program including Microsoft Word™, Corel WordPerfect™, etc.

[0034] 3. Reply using terrestrial mail services (step 408). Initially, the recipient selects a pre-stored electronic letterhead. The recipient composes his document and the sender's terrestrial address can be automatically inserted into the outgoing document if the original document contained such information. Further, the recipient may insert any of the content from the original document in the outgoing reply document. The recipient can then sign the document with an electronic signature using common word processing signature software (including Microsoft Word™). The recipient will then contact the remote server 104 on the network 106 and transmit the document (upload) to the remote server 104. Alternatively, if the recipient chooses to compose the document on the remote server as discussed above the recipient can save and store the document on the remote server 104. Once stored, the remote server will retransmit the document to the printer 116 where the document will be printed and inserted into an envelope that contains address information supplied by the recipient and then the document will be mailed to the addressee. This service is ideal for mail facilities to utilize (such as the US Postal Service) to allow their customers to digitally answer terrestrial mail.

[0035] If the recipient requests, the remote server can direct an e-mail to the intended addressee to inform the addressee that the document has been sent and can include a 'preview' copy attached of the document that was sent.

[0036] The present disclosure will enable at least the following applications of the systems and methods described herein.

[0037] A recipient receives a terrestrial letter. The recipient wishes to reply to the letter. The recipient accesses a web site on a remote server on the global computer network, e.g., the Internet, and types in an identifier (e.g., the recipient's name) and an identification code string printed on the letter. Instantly, the letter appears with both an image of the letter (if an image was stored) and the content of the letter that is accessible from the recipient's word processing program. The recipient can now reply to the letter by standard e-mail and can add the original letter as an attachment to the e-mail, or the user can utilize all or some of the content of the original letter in his e-mail. If the sender of the original letter indicated his e-mail address, then the recipient will automatically be provided this information. Further, the recipient can reply to the letter by fax, (again with the original letter as a fax attachment and the sender's fax information automatically included if available). Furthermore, the recipient can pick digital letterhead and compose a letter to the sender of the original

letter, electronically sign the letter, and ask the letter to be printed and terrestrially delivered from a remote location. In all cases (if the information was supplied), the recipient will automatically be able to add the sender's address and name and, if applicable, e-mail or fax number to the letter. In one embodiment, the letter can be a greeting card and the recipient can create and forward a reply greeting card to the sender.

[0038] A recipient receives a bank or financial statement. The recipient accesses a web site on the Internet and indicates the recipient's name (or other login information) and the symbology/code string printed on the letter. The statement then is accessed and appears on the display of the recipient's computer. The recipient is now enabled to reply to the statement via a customer service e-mail address or any other address of the sender's choosing. Additionally, the recipient can download the information contained in the statement to any financial software program including but not limited to Microsoft Money™, Quicken™, etc. or spreadsheet program including but not limited to Microsoft Excel™, IBM Lotus™ etc. Further, if the recipient wishes to login to the statement's web site then the recipient will be provided a link for this purpose, from which they will be redirected to the appropriate web site. At this site, after clearing password access, the recipient can access the sender's web site and obtain further information on the recipient's account. Additionally, the recipient can pick out digital letterhead and compose a letter to the sender of the original letter, electronically sign the letter, and ask the letter to be printed and terrestrially delivered from a remote location.

[0039] A user receives a letter and views the letter on the global computer network by accessing a web site and typing in the login identifier (e.g., the recipient's name or other login information) and code printed on the letter, e.g., the identification code. The recipient replies to the letter by terrestrial mail and saves the reply onto the same web site on the remote server. The recipient may then direct the website to notify the intended recipient, e.g., the original sender, of the reply that a letter has been sent and is in transit but that the recipient e.g., the original sender, may preview the letter by accessing the web site and supplying the login codes/password to allow the recipient e.g., the original sender, to view the reply. This will allow the recipient to have a paper copy of the letter delivered (perhaps for legal reasons or for other reasons the recipient wants a paper trail), and yet to have the recipient view the letter without waiting for the normal transit time of the correspondence.

[0040] A recipient receives a terrestrial document which is in fact an invoice. The recipient accesses the remote site on the global computer network, e.g., the Internet, and supplies the access login/codes information to view this invoice online. The recipient then is supplied a link to various financial services (e.g., payment service servers 118) including credit card processors, or financial agents such as Paypal™, etc. to allow the recipient to pay the invoice instantly. If the recipient does pay this invoice, a record of the payment and date of payment can automatically be provided by the web site to the recipient's financial information service or program such as Quicken™ or Microsoft Money™.

[0041] In a further embodiment, a recipient receives promotional terrestrial mail such as a brochure or coupon offer. In this embodiment, the recipient will enter the appropriate login/codes to view the brochure/coupon offer online. The recipient will then be provided a link to access a related web site where the recipient can conduct a purchase transaction.

[0042] A recipient receives a terrestrial letter from a sender. The recipient wants to see what other letters from this sender he has on file. The recipient goes to the global computer network and accesses a remote web site. At the web site, the recipient supplies the access login/codes information needed to view the recipient's account at the web site. Once logged in the recipient can view all stored correspondence related to the current correspondence. Additionally, the recipient can use various search parameters to sort through previous correspondence by date of correspondence, sender's name, sender's address, subject matter, sender's e-mail or fax number, word search of all correspondence content, category of correspondence, etc.

[0043] While the disclosure has been shown and described with reference to certain preferred embodiments thereof, it will be understood by those skilled in the art that various changes in form and detail may be made therein without departing from the spirit and scope of the disclosure as defined by the appended claims.

What is claimed is:

1. A method, comprising
 - connecting to a website site via a recipient terminal coupled to a computer network, the website site residing on a remote server coupled to the computer network;
 - entering a document identifier associated with at least one of printed promotional and invoicing material for an item via the recipient terminal wherein the at least one printed promotional material and invoicing material is received via terrestrial mail delivery and the document identifier generated by a remote server and is affixed to the at least one printed promotional material and invoicing material; and
 - accessing the website wherein the website is related to the item based on the entered document identifier;
 - wherein the document identifier is generated-based on converting an identification code associated with the original document into a symbology.
2. The method as in claim 1, further comprising purchasing the item based on the printed promotional material and the document identifier via the website.
3. The method as in claim 1, further comprising transmitting a message to a customer service representative wherein the message is based on the item.
4. The method as in claim 1, wherein the promotional material for the item is at least one of a brochure and a coupon offer.
5. The method as in claim 1, wherein the symbology is at least one of a QR code, Microsoft tag code, UPC code, and ISBN
6. The method as in claim 1, wherein the recipient's identity is the recipient's name.
7. The method as in claim 2, further comprising downloading payment information to the recipient terminal.
8. A computer server device, comprising
 - a storage device;
 - one or more communication interfaces;
 - one or more processors, coupled to the storage device and one or more communication interfaces, the one or more processors configured to:
 - receive, over the one or more communication interfaces, a document identifier associated with at least one of printed promotional and invoicing material for an item from a recipient terminal wherein the at least one printed promotional and invoicing material is

received via terrestrial mail delivery and the document identifier generated by a remote server and is affixed to the at least one printed promotional material and invoicing material; and

- provide, over the one or more communication interfaces, website information related to the item to the recipient terminal based on the received document identifier;
 - wherein the document identifier is generated-based on converting an identification code associated with the original document and into a symbology.
9. The device as in claim 8, wherein the one or more processors are further configured to receive purchasing instructions for the item based on the printed promotional material and the document identifier from the recipient terminal.
 10. The device as in claim 8, wherein the one or more processors are further configured to receive a message for a customer service representative wherein the message is based on the item.
 11. The device as in claim 8, wherein the promotional material for the item is at least one of a brochure and a coupon offer.
 12. The device as in claim 8, wherein the symbology is at least one of a QR code, Microsoft tag code, UPC code, and ISBN
 13. The device as in claim 8, wherein the recipient's identity is the recipient's name.
 14. The device as in claim 9, wherein the one or more processors are further configured to download payment information to the recipient terminal.
 15. A recipient device, comprising
 - a storage device;
 - one or more communication interfaces;
 - one or more processors coupled to the storage device and one or more communication interfaces, the one or more processors configured to:
 - connect to a website site coupled to a computer network, the website site residing on a remote server coupled to the computer network;
 - enter a document identifier associated with at least one of printed promotional and invoicing material for an item via the recipient terminal wherein the at least one printed promotional and invoicing material is received via terrestrial mail delivery and the document identifier generated by a remote server and is affixed to the at least one printed promotional material and invoicing material; and
 - access the website wherein the website is related to the item based on the entered document identifier;
 - wherein the document identifier is generated-based on converting an identification code associated with the original document into a symbology.
 16. The device as in claim 15, wherein the one or more processors are further configured to purchase the item based on the printed promotional material and the document identifier via the website.
 17. The device as in claim 15, wherein the one or more processors are further configured to transmit a message to a customer service representative wherein the message is based on the item.
 18. The device as in claim 15, wherein the promotional material for the item is at least one of a brochure and a coupon offer.

19. The device as in claim **15**, wherein the symbology is at least one of a QR code, Microsoft tag code, UPC code, and ISBN

20. The device as in claim **16**, wherein the one or more processors are further configured to download payment information to the recipient terminal.

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