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(54) Title: METHOD AND APPARATUS FOR GLOBAL INFORMATION REPORTING

Information Reporting - Reports

302A DIRECT REPORTING PAYMENTS TRADE LIQUIDITY NOTIFICATIONS SUPPORT ADMIN

303A DASHBOARD REPORTS RESEARCH 303C 303D

331 AVAILABLE REPORTS 303B 330

332A CREATE CUSTOM 332B 332C

REPORT NAME	FORMAT	DATE RANGE	LAST RUN	MY REPORTS	REPORT TYPE
☐ ACH REPORT	STANDARD PDF	DAILY	☒	☒	BANK DEFINED
☐ WIRE REPORT	STANDARD SCREEN	DAILY	☒	☒	BANK DEFINED
☐ ALL DATA SUMMARY AND DETAIL WITH TEXT REPORT	STANDARD PDF	DAILY	☒	☒	BANK DEFINED
☐ CONTROLLED DISBURSEMENT DETAIL REPORT	STANDARD SCREEN	DAILY	☒	☒	BANK DEFINED
☐ SUMMARY AND DETAIL WITH TEXT REPORT	STANDARD SCREEN	DAILY	☒	☒	BANK DEFINED
☐ DEPOSIT REPORT	STANDARD SCREEN	DAILY	☒	☒	BANK DEFINED
☐ BALANCE REPORT (VERTICAL)	STANDARD SCREEN	DAILY	☒	☒	BANK DEFINED
☐ DETAIL REPORT	STANDARD SCREEN	DAILY	☒	☒	BANK DEFINED
☐ SUMMARY REPORT	STANDARD SCREEN	DAILY	☒	☒	BANK DEFINED
☐ DETAIL WITH TEXT REPORT	STANDARD PDF	DAILY	☒	☒	BANK DEFINED
☐ LOCKBOX DEPOSIT REPORT	STANDARD SCREEN	DAILY	☒	☒	BANK DEFINED
☐ RETURNED ITEM REPORT	STANDARD PDF	DAILY	☒	☒	BANK DEFINED
☐ NON-POST REPORT	STANDARD PDF	DAILY	☒	☒	BANK DEFINED

QUERY DATE FOR SELECTED REPORTS

FROM: TO:

1 REPORT SELECTED

FIG. 3

(57) Abstract: Systems and methods for global information reporting are provided. A global information reporting system according to the invention may include a database configured to store reporting information, memory configured to store execution instructions and a processor coupled with the database and the memory. The processor is configured to execute the instructions. Preferably the system incorporates HTML with active areas. The active areas load small Java® applets, permitting rapid page loads. The Java® applets facilitate manipulation of the viewable portion of reports. The same applets can search data in the viewable and the non-viewable portions of the data set. Sticky notes may be attached to reports or transaction to "follow" the data during storage and provide persistent reminders.

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METHOD AND APPARATUS FOR GLOBAL INFORMATION REPORTING

CROSS-REFERENCE TO RELATED APPLICATION

[01] This application is a non-provisional application of U.S. Provisional Patent Application No. 61/418,985 filed on December 2, 2010, entitled, "Global Information Reporting."

FIELD OF TECHNOLOGY

[02] Aspects of the present invention relate to global financial information reporting.

BACKGROUND

[03] Currently, conventional cash-management applications offer various aspects of information reporting. These aspects may include Prior and Current Day reporting, Multi Bank Consolidated Information, Online Statements, eStatements, and Balance & Detailed Transaction Searching.

[04] It would be desirable to improve information reporting by consolidating multiple systems. It would be further desirable to enhance the user experience by providing a configurable data display. Likewise, it would be desirable to provide reports in local languages as needed.

SUMMARY

[05] It is an object of the invention to integrate reporting with currency conversion. Providing quick conversion of transactions to the United States Dollar equivalent exposes cash positioning and value.

[06] The present invention may also enable a configurable dashboard to customize views of specific items of interest including but not limited to Quick Report Access, Account Balances, Simple Item research, and important notifications.

[07] Also, systems and methods according to the invention provide sophisticated reporting and data access. For example, configurable data downloads enable users to download the desired transactions in a format that facilitates easy integration with user systems. It is an object of the invention to provide data in multiple output formats including, but not limited to BAI2, SWIFT 940, SWIFT 942, SWIFT 950, ISO 20022 XML camt.052.001.02, and ISO 20022 XML camt.053.001.02. Standardization of data in known formats may deliver a consistent global experience.

[08] In addition, systems and methods according to the invention may include one-click integrated functionality to facilitate service requests through a right-mouse-click for a specific transaction.

[09] Migration of paper systems to electronic systems are facilitated by the invention. Likewise, retention of data allows users to leverage online reports for research and reconciliation.

[010] Complex transaction research according to the invention may allow a user to easily find exception items. Systems and methods according to the invention may also include

advanced filtering and searching, tailoring query results and custom reporting. Sophisticated parameter choices, advanced filtering and searching preferably allow users to tailor the content of the information provided in the query results and reports to streamline daily processes.

[011] Creation of reports may be configurable according to user needs. The reports themselves are viewed in a separate window to allow easy cutting-and-pasting from the report into other applications. The reports themselves are configurable, allowing movement of columns, exposure of "rolled up" information and sorting of all data in the report. Searching and sorting of data in the report incorporates all data in the report even if the data is hidden from view.

[012] Rapid page loading is facilitated by utilizing an HTML-style display with active areas - e.g., hotspots. A user click activates hotspots in the display. Activation may download a Java® applet for only a section of the report. The Java® applet permits manipulation of reports such as column movement and searching/sorting of data.

[013] Furthermore, a rendition of research data may have access to the entire account list of a customer but displays only a small portion of the list as a "page". The use of such pagination techniques according to the invention reduces download times of the page. Nevertheless, the entirety of the list is available for searching/sorting and display.

[014] Another aspect of the invention permits a user to attach "sticky notes" to any account. The sticky note will follow the account throughout any of the services provided by

the dashboard. Account information may be kept for multiple years to ensure compliance with appropriate regulations.

[015] In addition, it is an object of the invention to utilize local language and interface data capture capabilities to expand global access. Improved local language user interface and data capture abilities according to the invention; preferably allow broader use within the international marketplace.

BRIEF DESCRIPTION OF THE DRAWINGS

[016] The objects and advantages of the invention will be apparent upon consideration of the following detailed description, taken in conjunction with the accompanying drawings, in which like reference characters refer to like parts throughout, and in which:

[017] FIG. 1A shows a conventional Graphical User Interface (GUI) including information reporting;

[018] FIG. 1B shows another conventional Graphical User Interface (GUI) including information reporting;

[019] FIG. 2 shows an illustrative GUI including an information reporting dashboard in accordance with the principles of the invention;

[020] FIG. 3 shows an illustrative GUI including an information report selection in accordance with the principles of the invention;

[021] FIG. 4 shows an illustrative GUI including an information report creation in accordance with the principles of the invention;

[022] FIG. 5 shows an illustrative GUI including an information report viewer in accordance with the principles of the invention;

[023] FIG. 6 shows an illustrative GUI including an information report research selection in accordance with the principles of the invention;

[024] FIG. 7 shows an illustrative GUI including an information report research viewer in accordance with the principles of the invention;

[025] FIG. 8 shows an illustrative GUI including an statement selection in accordance with the principles of the invention;

[026] FIG. 9 shows an illustrative GUI including an information report selection, translated into the Chinese language in accordance with the principles of the invention; and

[027] FIG. 10 shows illustrative apparatus that may be used in accordance with the principles of the invention.

DETAILED DESCRIPTION OF THE DISCLOSURE

[028] FIGs. 1A and 1B show a conventional interface 199 and an illustrative dashboard interface 100. Interface 199 is an embodiment of a relatively simple interface which provides access to various reports. Interface 100 integrates banking and brokerage access. Interface 100 allows the selection of various reports and services as part of an integrated service GUI. Interface 100 may include selection tabs 102A-102H, where each tab may be used to select the interface of a different service. Each service interface, in turn, utilizes subtabs. Each subtab corresponds to a different aspect of a service.

[029] Selection tab 102A selects a reporting service interface. The reporting service interface utilizes subtabs 103A-103E to access various aspects of the reporting service interface – e.g., dashboard 101, My Reports etc. The dashboard interface 101 is an illustrative information organization interface which consolidates the reporting of banking services and brokerage services.

[030] The dashboard interface 101 provides access to payables, receivables, and cash position. The dashboard interface includes “gadgets” – sub-interfaces – deposits 104, receivables 105, bulletins 106 and favorites 107. Other gadgets may be added to the display by use of an “add gadget” button 108.

[031] Deposits 104 shows a bar graph display of deposit information. Receivables 105 shows a pie chart display of receivables.

[032] Bulletins 106 show system messages and other general information. Other suitable information such as stock price changes, economic news, weather, etc., can be shown in the bulletins gadget 106 or by another suitable gadget.

[033] My reports 107 shows a list of favorites – i.e., commonly used – reports. A subset of the hyperlinks to reports is labeled 109A-109C. A subset of checkboxes 110A-110C is associated with exemplary hyperlinks 109A-109C respectively.

[034] Access to the reports and other items within the invention is available via numerous methods to provide comfortable interaction for differently trained users and different usage. For example, a checkbox interface permits access to multiple reports at one time. Also, the reports may

be accessed via one click on a hyperlink 109A-109C or by right clicking on the hyperlink and selection from a drop down menu (not shown), or by setting at least one of the checkboxes 110A-110C and clicking run reports button 111.

[035] FIG. 2 shows an illustrative interface 200 that may integrate banking and brokerage access. Interface 200 may direct a user to select the interface to a reporting service by selecting reporting service tab 202A. The reporting service interface may utilize subtabs 203A-203D to access various aspects of the reporting service interface. Subtab 203A may direct a user to a dashboard interface 207.

[036] The dashboard interface 207 according to an embodiment of the invention preferably provides access to a user configurable set of content. An illustrative set of content displayed by interface 207 is shown in FIG. 2. Such content may include balances 221 favorites 201, bulletins 206 and research 220. As described above reports listed by favorites 201 may be accessed by multiple methods for the convenience of the user. Other content may be added to the display by use of an "add content" button 108.

[037] Additionally, the reports may be displayed/exported in multiple formats including standard formats - e.g., CVS - which provide easy integration with systems worldwide. Report may be scheduled which allows reports and files to be delivered when and where a user needs them.

[038] FIG. 3 shows an illustrative interface 300 for information report editing. Interface 300 may allow a user to select the interface to a reporting service by selecting reporting service tab 302A. The reporting service interface may

utilize subtabs 303A-303D to access various aspects of the reporting service interface. Subtab 303B may select a reports' interface 330. The reports' interface 330 may be accessed as part of an access to favorites gadget 107, favorites 201, by selecting subtabs 103B or 203B or any other suitable method.

[039] Interface 330 may enable flexible reporting which includes, custom reporting, research, and statements. As described above, reports listed by interface 330 may be accessed by multiple methods for the convenience of the user. Reports may be categorized by selection tabs 332A previous, 332B current and 332C complete. Other selections of reports are contemplated and included within the scope of the invention. Custom reports may be created by using a "create custom" button 331.

[040] The research portal preferably allows a user to search for and find a variety of transactions. It also includes tactical reporting which provides a platform for quick and easy report generation, previous day and current day reporting. The dashboard preferably focuses on reports that are need-centered. The selection of such reports may preferably be provided through an algorithm that is based on report creation and post client use.

[041] FIG. 4 shows an illustrative interface 400 for creating and viewing reports. Interface 400 may direct a user to select the interface to a reporting service by selecting reporting service tab 402A. The reporting service interface may utilize subtabs 403A-403D to access various aspects of the reporting service interface. Subtab 403B may select a report creating and viewing custom reports interface 440. Custom reports interface 440 may be accessed via various tools - e.g.,

favorites gadget 107, favorites 201, interface 330 or any other suitable method.

[042] Customer reports interface 440 preferably provides creation subpanel 445 and viewing subpanel 446. Creation subpanel 445 may provide a platform for a user to create custom reports from pre-designed templates or from a report blank, in which a user can choose specific layout and information content.

[043] Creation subpanel 445 may include various transaction types that may be selected, including, but not limited to, Zero Balance Account (ZBA) credit, Commercial Deposit, Sweep Interest Credit, Miscellaneous Credit and Lockbox Deposit Credit. Creation subpanel 445 may include various report columns that may be selected including, but not limited to, account, account name, closing ledger, closing available, total credits, total debits, 1 day Float, 2+ day Float and Opening Available.

[044] Viewing subpanel 446 is an exemplary interface for viewing a report accessed by various interfaces discussed in this description - e.g., favorites gadget 107, favorites 201, interface 330 or any other suitable method. The viewing subpanel 446 may acquire current day, previous day, and completed reports preferably with one click.

[045] The viewing subpanel 446 may dynamically adjust the display of the detailed reports as the various checkboxes, or other suitable access mechanisms, are selected by the user. Furthermore, the information related to the transaction types selected on the creation subpanel 445 may dynamically populate the viewing subpanel 446 when the transaction types are selected.

[046] The dynamic display of reports by viewing subpanel 446 permits user changes in real-time. The changes include the moving of, the deleting of and the searching/filtering of a column or columns. Changes also include the rolling or unrolling of report sections.

[047] Preferably the viewing subpanel 446 is implemented by active sections within an HTML webpage. In the alternative, the HTML code may be augmented or replaced by JavaScript. The active areas may comprise one or more small Java® applets.

[048] The Java® applet implements all of the active functionality of the viewing subpanel 446. The Java® applet is preferably sufficiently small to enable rapid loading of the HTML page containing the viewing subpanel 446.

[049] FIG. 4 shows an exemplary financial report and the interface to that report. Typically, the viewing area on the screen may be able to present only a small portion of a large report. Various methods may be used to present the data in a convenient form. The viewing subpanel 446 shows "unrolled" sections 450A, 450B and 450C. An unrolled section - e.g., section 450A may be rolled up by clicking the "-" 453A. The viewing subpanel 446 also shows "rolled up" sections 451A, 451B and 451C. A rolled up section - e.g., 451A may be unrolled up by clicking the "+" 454A. Sections may be organized hierarchically or in any other suitable arrangement.

[050] Loading an active Java® applet with a complete version of a report would be time consuming and may even be useless given the limited screen size. Preferably, the small Java® applet according to the invention is programmed to manipulate only the viewable area of the selected report. The viewable

area of the report may be changed by unrolling or rolling up sections, by scrolling or by any suitable method.

[051] In certain embodiments of the invention, when a new section of the report becomes visible, new applets are accessible, preferably only in the active areas of the HTML. In the alternative, an applet that has already been loaded may augment its behavior to accommodate the change of viewable area. Thus, a minimal amount of new Java® code is downloaded - e.g., in one embodiment just a delta of Java® code supplements the pre-existing Java® code - upon changing the viewed area of a report or when loading a new report.

[052] In certain embodiments, searches of reports may only search the text viewable on the screen. However, searches performed by customer reports interface 440 preferably search all of the data in the report including off-screen data and rolled up data. If relevant data is found by a search within a rolled up section, the data may be exposed by unrolling that section so the relevant data may be visible to the user.

[053] Reports can be acquired in a variety of different formats including: PDF, BA12, Excel, QFX, SWIFT, and XML. Historical reports can be acquired, preferably for up to the past 15 months or any other suitable period. The reports can be emailed and/or exported directly from the system.

[054] FIG. 5 shows an illustrative interface 500 for creating and viewing reports. Interface 500 may direct a user to select the interface to a reporting service by selecting reporting service tab 502A. The reporting service interface may utilize subtabs 503A-503D to access various aspects of the reporting service interface. Subtab 503B may select a report

creating and viewing interface 550, hereinafter the reports interface 550. Reports interface 550 may be accessed via various interfaces - e.g., favorites gadget 107, favorites 201, interface 330 or any other suitable interface.

[055] Reports interface 550 preferably provides find subpanel 557 and a viewing subpanel 556. The viewing subpanel shows an aspect of the invention that relates to custom information reporting. This allows a user to define a report name, select accounts and layout, and to choose specific transactions for a user's report. The choose report columns and custom sort options preferably present platforms for a user to filter the data to meet the users specific needs e.g., to retrieve information related to specific matters.

[056] Another aspect of the invention also allows a user to schedule his report to be delivered at specific times. Further, it may also allow a user to preview a report as it is being created.

[057] FIG. 6 shows an illustrative interface 600 for conducting research. Interface 600 may direct a user to select the interface to a reporting service by selecting reporting service tab 602A. The reporting service interface may utilize subtabs 603A-603D to access various aspects of the reporting service interface. Subtab 603C may select a research interface 660. Research interface 660 preferably provides search subpanel 649 and a listing subpanel 648. Research interface 660 may be accessed as with any suitable interface.

[058] Accounts shown by the research interface may be displayed according to various criteria and tab/subtab selections. A portions of the accounts selected are loaded by

"pages" to improve performance. Searching and sorting includes all accounts not just the "page" of accounts displayed or loaded. Similar lists shown in any gadgets or interface may improve loading speed and searching efficacy according to the same principles.

[059] FIG. 7 shows an illustrative interface 700 for creating and viewing reports. Interface 700 may direct a user to select the interface to a reporting service by selecting reporting service tab 702A. The reporting service interface may utilize subtabs 703A-703D to access various aspects of the reporting service interface. Subtab 703C may select a research interface 770. Research interface 770 may be accessed as with any suitable interface.

[060] Research interface 770 allows for research across 15 months, or any other suitable period, for information. A user can search for a specific amount and keyword. A user can narrow a search to information that is relevant to his organization. A user can also find specific transactions for rapid reconciliation. A user can search across all accounts simultaneously. All results are searchable and sortable.

[061] Sticky note 775 is an exemplary note attached to a particular account and/or transaction. Sticky notes may be persistent and may remain attached to the account and/or transaction, even when the data is stored. The sticky note 775 may be attached via a unique reference number and may follow that number even when the data is transferred to other tools and interfaces. When data is searched the unique reference number may be displayed along with any sticky notes.

[062] FIG. 8 shows an illustrative interface 800 for creating and viewing reports. Interface 800 may direct a user to select the interface to a reporting service by selecting reporting service tab 802A. The reporting service interface may utilize subtabs 803A-803D to access various aspects of the reporting service interface. Subtab 803D may select a statement interface 880. Statement interface 880 preferably provides search subpanel 881 and a listing subpanel 882. Statement interface 880 may be accessed as by any suitable interface.

[063] Statement interface 880 shows statements results in an information reporting system. The results show the relevant search results, which are sortable and searchable as described above. Statements may be expanded to see additional detail and add sticky notes to any transaction. The results can be exported, printed, or emailed for easy reconciliation.

[064] A user can search for statements up to 15 months, or any other suitable interval, in the past. Available statements and reports may include bank statements, interest statements, investment statements, and EDI reports. A user can search across all accounts to find relevant reports and statements.

[065] FIG. 9 shows an illustrative information system - local language IR 900 for creating and viewing items. Interface 900 may include selection of various interfaces by selecting a subtabs 903A-903D. Subtab 903B may select an interface 990. The local language interface allows a user to view the information system in his or her language. This local language support may be provided by mapping words from the original interface language to stock phrases in a local language. The mapping procedure permits rapid display of existing interfaces

in simple local language terms without a complex translation process.

[066] FIG. 10 is a block diagram that illustrates a generic computing device 1001 (alternatively referred to herein as a "server") that may be used according to an illustrative embodiment of the invention. The computer server 1001 may have a processor 1003 for controlling overall operation of the server and its associated components, including RAM 1005, ROM 1007, input/output module 1009, and memory 1015. Server 1001 may include one or more receiver modules, server modules and processors that may be configured to transmit and receive reports, transactions, statements, and perform any other suitable tasks related to bank data consolidation and display.

[067] Input/output ("I/O") module 1009 may include a microphone, keypad, touch screen, and/or stylus through which a user of device 1001 may provide input, and may also include one or more of a speaker for providing audio output and a video display device for providing textual, audiovisual and/or graphical output. Software may be stored within memory 1015 and/or storage to provide instructions to processor 1003 for enabling server 1001 to perform various functions. For example, memory 1015 may store software used by server 1001, such as an operating system 1017, application programs 1019, and an associated database 1021. Alternatively, some or all of server 1001 computer executable instructions may be embodied in hardware or firmware (not shown). As described in detail below, database 1021 may provide storage for customer information, reports, transactions, statements and any other suitable information.

[068] Server 1001 may operate in a networked environment supporting connections to one or more remote computers, such as terminals 1041 and 1051. Terminals 1041 and 1051 may be personal computers or servers that include many or all of the elements described above relative to server 1001. The network connections depicted in FIG. 10 include a local area network (LAN) 1025 and a wide area network (WAN) 1029, but may also include other networks. When used in a LAN networking environment, computer 1001 is connected to LAN 1025 through a network interface or adapter 1023. When used in a WAN networking environment, server 1001 may include a modem 1027 or other means for establishing communications over WAN 1029, such as Internet 1031. It will be appreciated that the network connections shown are illustrative and other means of establishing a communications link between the computers may be used. The existence of any of various well-known protocols such as TCP/IP, Ethernet, FTP, HTTP and the like is presumed, and the system can be operated in a client-server configuration to permit a user to retrieve web pages from a web-based server. Any of various conventional web browsers can be used to display and manipulate data on web pages.

[069] Additionally, application program 1019, which may be used by server 1001, may include computer executable instructions for invoking user functionality related to communication, such as email, short message service (SMS), and voice input and speech recognition applications.

[070] Computing device 1001 and/or terminals 1041 or 1051 may also be mobile terminals including various other components, such as a battery, speaker, and antennas (not shown).

[071] Terminal 1051 and/or terminal 1041 may be portable devices such as a laptop, cell phone, blackberry, or any other suitable device for storing, transmitting and/or transporting relevant information.

[072] Any information described above in connection with database 1021, and any other suitable information, may be stored in memory 1015.

[073] One or more of applications 1019 may include one or more algorithms that may be used to perform one or more of the following: banking data consolidation and display and performing any other suitable tasks related to assessing banking data consolidation and display.

[074] Each interface may make use of the mechanisms of active areas and use of small applets to provide efficiency as described with respect to report interface 550. Likewise the mechanism for loading portions of a set of large search results - e.g., as described with respect to the research interface 660 - may be used with any suitable list of items. Sticky notes as described with respect to research interface 770 may be added to any suitable report, search, transaction etc.

[075] Although the foregoing methods and apparatus have been described with regard to banking information, utilization of the inventive principles can be applied to any suitable data system.

[076] Thus, methods and apparatus for global information reporting have been provided. Persons skilled in the art will appreciate that the present invention can be practiced by other than the described embodiments, which are presented for purposes of illustration rather than of limitation, and that the present invention is limited only by the claims that follow.

What is Claimed is:

1. A global information reporting system comprising:
a database configured to store reporting information;
a memory configured to store execution instructions;
and

a processor coupled with the database and the memory,
the processor configured to execute the instructions, the
instructions configured to cause the processor to:

portray a dynamically adjustable display of a global
financial information report,

wherein the display comprises; a first portion
providing a least one selection mechanism(s).

2. The global information reporting system of claim
1 further comprising, a second portion of the display, the
second portion of the display configured to be dynamically
populated in response to activation of a selection mechanism.

3. The global information reporting system of claim
1 further comprising, a second portion of the display, the
second portion of the display configured to be dynamically
sorted in response to activation of a selection mechanism.

4. The global information reporting system of claim
1, wherein the selection mechanisms are related to transaction
type and column selection.

5. A global information reporting system comprising:
a memory configured to store execution instructions;
and

a processor coupled with the memory, the processor
configured to execute the instructions, the instructions
configured to cause the processor to portray a dynamically

adjustable display of a report,

wherein the display comprises; a first portion comprising a first activation area(s) linked to a first portion of the execution instructions, and a second portion which comprises a first portion of the report;

wherein clicking the first activation area(s) causes a second portion of the report to be portrayed by the display.

6. The global information reporting system of claim 5, wherein the display of the second portion of the report comprises a second activation area(s) linked to a second portion of the execution instructions, and a third portion which comprises a second portion of the report.

7. The global information reporting system of claim 5 wherein the first activation area(s) are configured to load instructions into a browser.

8. The global information reporting system of claim 7 wherein the first activation area(s) are comprised of a Java® applet.

9. The global information reporting system of claim 7 wherein the first activation area(s) are comprised of JavaScript.

10. The global information reporting system of claim 5 wherein the first activation area(s) are configured to cause a third portion of the report to be removed from the display.

11. The global information reporting system of claim 5 wherein the first activation area(s) are configured sort data.

12. The global information reporting system of claim 5 wherein the report is comprised of data, wherein the first activation area(s) are configured to sort a portion of the data in the report.

13. The global information reporting system of claim 5 wherein the report is comprised of data, wherein the first activation area(s) are configured to sort all of the data in the report.

14. The global information reporting system of claim 5 wherein the report is comprised of data, wherein the first activation area(s) are configured to search a portion of the data in the report.

15. The global information reporting system of claim 14 wherein a portion of the data found by the search is displayed.

16. A global information reporting system comprising:
a memory configured to store execution instructions;
and

a processor coupled with the memory, the processor configured to execute the instructions, the instructions configured to cause the processor to display a first portion of a report, the display of the first portion of the report comprising first activation area(s) linked to a first portion of the execution instructions,

wherein clicking the first activation area(s) causes a second portion of the report to be portrayed by the display.

17. The global information reporting system of claim 16 wherein the display of the second portion of the report

comprises second activation area(s) linked to a second portion of the execution instructions.

18. The global information reporting system of claim 16 wherein clicking the first activation area(s) causes all of the report to be sorted.

19. The global information reporting system of claim 16 wherein clicking the first activation area(s) causes all of the report to be searched.

20. The global information reporting system of claim 16 wherein the first activation area(s) are configured to load instructions into a browser.

21. The global information reporting system of claim 16 wherein the first activation area(s) are comprised of a Java® applet.

22. The global information reporting system of claim 16 wherein the first activation area(s) are comprised of JavaScript.

23. The global information reporting system of claim 16 wherein the first activation area(s) are configured to load rapidly.

24. A global information reporting system comprising:
a memory configured to store execution instructions;
a processor coupled with the memory, the processor configured to execute the instructions, the instructions configured to cause the processor to display a report, the report comprising a plurality of portions; and

a note linked to at least one of the plurality of portions.

25. The global information reporting system of claim 24 wherein the note is linked via a unique number.

26. The global information reporting system of claim 24 wherein the note is persistent.

27. The global information reporting system of claim 24 wherein the note comprises text.

28. The global information reporting system of claim 24 wherein the note is stored when the report is stored.

29. A global information reporting system comprising:
a memory configured to store execution instructions;
and

a processor coupled with the memory, the processor configured to execute the instructions, the instructions configured to cause the processor to display a report, the report comprising a plurality of fields, each field stored in a first language,

wherein at least one of the plurality of fields is translated to a second language.

30. The global information reporting system of claim 29 wherein the translation of at least one field is found in a lookup table.

31. The global information reporting system of claim 29 wherein the translation of at least one field is a simplified form of the second language.

32. The global information reporting system of claim 29 wherein the translation of at least one field is a word for word translation to the second language.

33. The global information reporting system of claim 29 wherein the translation of at least one field is via a lookup of simplified phrases from the second language.

FIG. 1A

Prior Art

PAYMENTS

REPORTS

TREASURY

TRADE

IMAGES

NOTIFICATIONS

JOHN SMITH | SUCCESSFUL VENTURES INC.

7:07 CST

LAST SIGN IN 7:00 CST

Treasury Services

ESCROW ONLINE

ONLINE STATEMENTS AND REPORTS

GLOBAL INFORMATION REPORTING

CONTINUOUS LINKED SETTLEMENT

INFORMATION REPORTING

CUSTOMIZE A REPORT

SCHEDULE A PREVIOUS DAY REPORT

SCHEDULE A CURRENT DAY REPORT

VIEW REPORT NOTIFICATIONS

SELECT INFORMATION REPORTING PREFERENCES

INTELLIGENT CASH MANAGER REPORTING

VIEW REPORTS

VIEW REPORT NOTIFICATIONS

INFORMATION REPORTING

CHOOSE A REPORT

CLICKING A LINK WILL

DISPLAY IT NOW

 IN THE FOLLOWING FORMAT

NONE SELECTED

PREVIOUS DAY REPORTS:

STANDARD REPORTS

BALANCE HISTORY REPORT

BALANCE REPORT (VERTICAL)

DETAIL TRANSACTION REPORT

ACH REPORT

CONTROLLED DISBURSEMENT DETAIL REPORT

DEPOSIT REPORT

DETAIL WITH TEXT REPORT

CLEAR TRANSACTION REPORT

RETURNED ITEM REPORT

SWEEP DETAIL REPORT

SWEEP SUMMARY AND DETAIL REPORT

WIRE REPORT

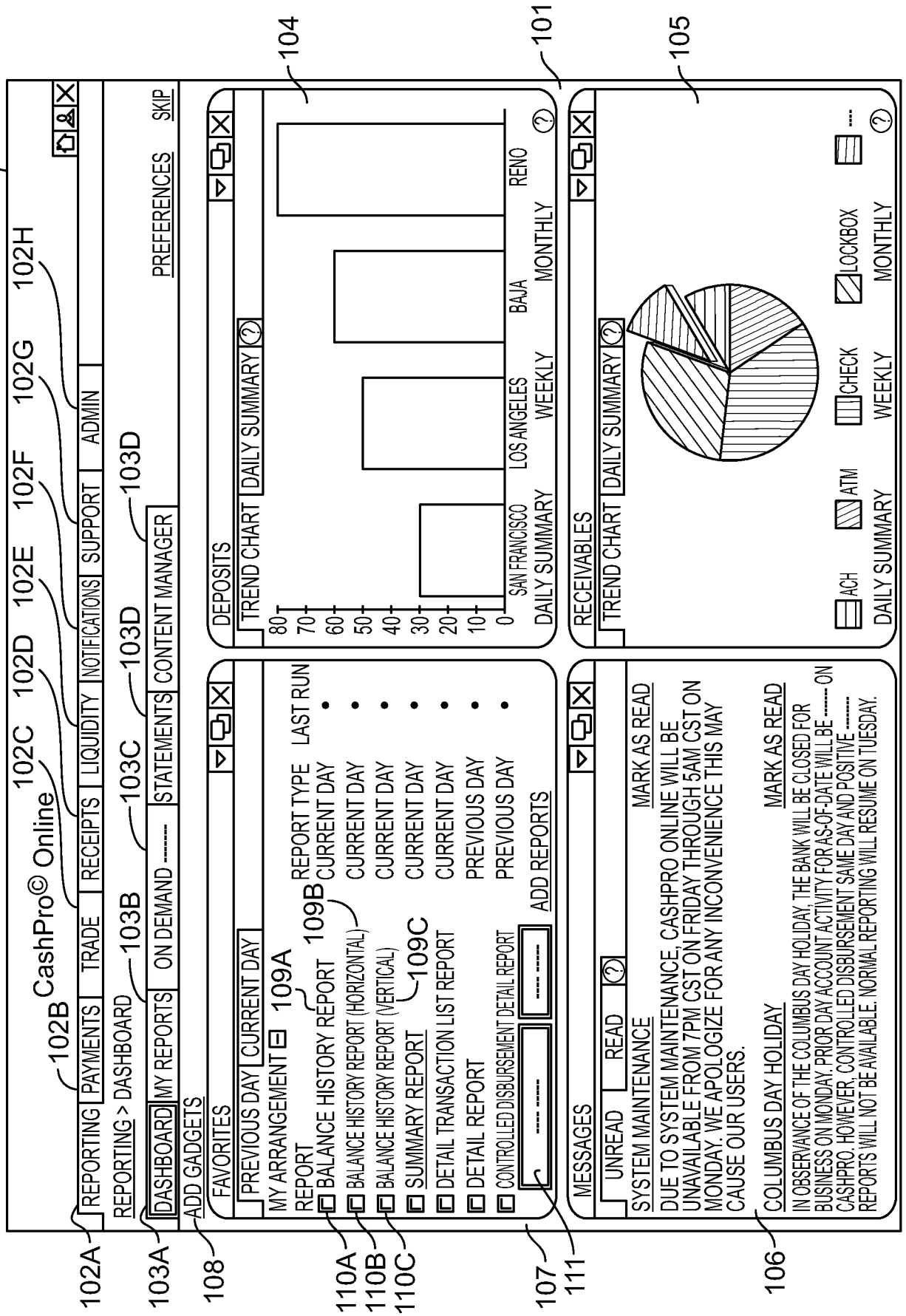
CURRENT DAY REPORTS:

STANDARD REPORTS

EXPENSE REPORT

FIG. 1B

Prior Art



Information Reporting - Dashboard

202A

REPORTING PAYMENTS

TRADE

LIQUIDITY

NOTIFICATIONS

SUPPORT

ADMIN

REPORTING > DASHBOARD

203B

203C

203D

203A

DASHBOARD

REPORTS

RESEARCH

STATEMENTS

209

+ ADD COMMENT

201

FAVORITES

+ ADD REPORT

REPORT

ACH REPORT

ALL DATA SUMMARY AND DETAIL WITH TEXT REPORT

LOAN TRANSACTION REPORT

NON-POST REPORT

RETURNED ITEM REPORT

SWEEP SUMMARY AND DETAIL REPORT

WIRE REPORT

DAY TYPE

PREVIOUS DAY

PREVIOUS DAY

CURRENT DAY

PREVIOUS DAY

PREVIOUS DAY

PREVIOUS DAY

CURRENT DAY

FORMAT

PDF

PDF

STANDARD

PDF

PDF

STANDARD

STANDARD

221

BALANCES

ACCOUNTS

TOTALS

OPENING LEDGER BALANCE (16)

CLEAR FILTER

PREVIOUS DAY

CURRENT DAY

ACCOUNT NUMBER

ACCOUNT NAME

BANK ID

AMOUNT

CURRENCY

05200606122

ACCOUNTNAME 061000052

0.00

USD

XXXXXXXXXXXX

ACCOUNTNAME12 XXXXXXXXX

0.00

USD

XXXXXXXXXXXX

ACCOUNTNAME1 XXXXXXXXX

221,455.54

USD

XXXXXXXXXXXX

ACCOUNTNAME3 XXXXXXXXX

322,313.30

USD

XXXXXXXXXXXX

ACCOUNTNAME4 XXXXXXXXX

32,403.11

USD

XXXXXXXXXXXX

ACCOUNTNAME14 XXXXXXXXX

438,824.43

USD

XXXXXXXXXXXX

ACCOUNTNAME14 XXXXXXXXX

225,228.53

USD

23 ACCOUNTS

220

RESEARCH

AMOUNT

CHECKS

DATE RANGE:

←

→

AMOUNT IN:

←

→

←

→

←

→

206

IMPORTANT MESSAGES

UNREAD

READ

?

MARK AS READ

SYSTEM MAINTENANCE

DUE TO SYSTEM MAINTENANCE, CASHPRO ONLINE WILL BE UNAVAILABLE FROM 7PM CST ON FRIDAY THROUGH 5AM CST ON MONDAY. WE APOLOGIZE FOR ANY INCONVENIENCE THIS MAY CAUSE OUR USERS.

COLUMBUS DAY HOLIDAY

IN OBSERVANCE OF THE COLUMBUS DAY HOLIDAY, THE BANK WILL BE CLOSED FOR BUSINESS ON MONDAY. PRIOR DAY ACCOUNT ACTIVITY FOR AS-OF-DATE WILL BE ----- ON CASHPRO. HOWEVER, CONTROLLED DISBURSEMENT SAME DAY AND POSITIVE ----- REPORTS WILL NOT BE AVAILABLE. NORMAL REPORTING WILL RESUME ON TUESDAY.

FIG. 2

302A

300

DIRECT
REPORTING
PAYMENTS
TRADE
LIQUIDITY
NOTIFICATIONS
SUPPORT
ADMIN

303A

DASHBOARD
REPORTS
RESEARCH
STATEMENTS

303B

AVAILABLE REPORTS

331

CREATE CUSTOM

332A

PREVIOUS DAY

CURRENT DAY

COMPLETED REPORTS

DATE RANGE

DATE RANGE

DATE RANGE

INCLUDE NEW DATA ONLY

21 REPORTS

EDIT TABLES

REPORT NAME

ACH REPORT

WIRE REPORT

ALL DATA SUMMARY AND DETAIL WITH TEXT REPORT

CONTROLLED DISBURSEMENT DETAIL REPORT

SUMMARY AND DETAIL WITH TEXT REPORT

DEPOSIT REPORT

BALANCE REPORT (VERTICAL)

DETAIL REPORT

SUMMARY REPORT

DETAIL WITH TEXT REPORT

LOCKBOX DEPOSIT REPORT

RETURNED ITEM REPORT

NON-POST REPORT

FORMAT

STANDARD PDF

STANDARD SCREEN

STANDARD PDF

STANDARD SCREEN

STANDARD SCREEN

STANDARD SCREEN

STANDARD SCREEN

STANDARD SCREEN

STANDARD PDF

STANDARD SCREEN

STANDARD PDF

LAST RUN

MY REPORTS

REPORT TYPE

BANK DEFINED

BANK DEFINED

BANK DEFINED

BANK DEFINED

BANK DEFINED

BANK DEFINED

BANK DEFINED

BANK DEFINED

BANK DEFINED

BANK DEFINED

CLEAR FILTER

FROM:

TO:

RUN

EXPORT

EMAIL

ADD TO MY REPORTS

1 REPORT SELECTED

FIG. 3

FIG. 4

Information Reporting - Reports

REPORTING PAYMENTS TRADE LIQUIDITY NOTIFICATIONS SUPPORT ADMIN																																				
INFORMATION REPORTING > REPORTS																																				
DASHBOARD REPORTS RESEARCH STATEMENTS																																				
CREATE CUSTOM REPORT																																				
OPTIONS ▾																																				
CREATE CUSTOM REPORT ☒																																				
▶ SETUP REPORT																																				
▶ SELECT ACCOUNTS																																				
▼ ADDITIONAL SETUP OPTIONS TRANSACTION BILL CODE																																				
☐ 2BA CREDIT (275) ☒ CONTROLLED DEPOSIT (300) ☒ SWEEP - INTEREST CREDIT (365) ☒ MISCELLANEOUS CREDIT (365) ☒ LOCATION DEPOSIT CREDIT (115) 5 TRANSACTIONS SELECTED ADD TO QUALITY SET CHOOSE COLUMNS ☒ ACCOUNT ☒ ACCOUNT NAME ☒ CLOSING LEDGER ☒ CLOSING AVAILABLE ☒ TOTAL CREDITS ☒ TOTAL DEBITS ☒ 1 DAY FLOAT ☒ 3 DAY FLOAT ☒ OPENING AVAILABLE CREATE CUSTOM COLUMNS OVERWRITE EXISTING COLUMN FILTER REPORT BY: ☒ CHOOSE PARAMETER																																				
DETAIL REPORT NAME COMPANY: ABC CORP REQUESTOR: JOHN DOE RUN DATE: 00/00/0000 00:00:00 CST AS OF: BANK OF AMERICA, ILLINOIS ☒ ACCOUNT: 1234578910 (MY ACCOUNT NAME USD) ☒ SUMMARY ☒ SUMMARY BALANCE																																				
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>TRANSACTION</th> <th>AMOUNT</th> </tr> </thead> <tbody> <tr> <td>OPENING LEDGER (010)</td> <td>37,459.73</td> </tr> <tr> <td>OPENING LEDGER (015)</td> <td>XX,XXX.XX</td> </tr> <tr> <td>CLOSING LEDGER (015)</td> <td>XX,XXX.XX</td> </tr> <tr> <td>TODAY'S OPENING AVAILABLE BALANCE (040)</td> <td>XX,XXX.XX</td> </tr> <tr> <td>SUMMARY TOTALS</td> <td></td> </tr> </tbody> </table>		TRANSACTION	AMOUNT	OPENING LEDGER (010)	37,459.73	OPENING LEDGER (015)	XX,XXX.XX	CLOSING LEDGER (015)	XX,XXX.XX	TODAY'S OPENING AVAILABLE BALANCE (040)	XX,XXX.XX	SUMMARY TOTALS																								
TRANSACTION	AMOUNT																																			
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TRANSACTION	AMOUNT	0 DAY	1 DAY FLOAT	2 DAY FLOAT	COAST																															
TOTAL CREDITS (100)	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	X																															
TOTAL INCOMING WIRES (400)	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	X																															
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TOTAL OUTGOING WIRES (400)	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	X																															
DETAILS ☒ CREDITS																																				
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TRANSACTION	AMOUNT	0 DAY	1 DAY FLOAT	2 DAY FLOAT	BANK FLOAT	CREDIT FLOAT																														
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COMMERCIAL DEPOSIT CREDIT (301)	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX																														
COMMERCIAL DEPOSIT CREDIT (301)	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX																														
COMMERCIAL DEPOSIT CREDIT (301)	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX	XX,XXX.XX																														
TEXT NOTES ADD NOTES WIRE TYPE: WIRE IN ORIG: RENTAL TEST WIRE DATE: 00/00/00 CORP NO. XXXXXXXX I DID NOT RECEIVE AN EXPLANATION FOR THIS IN THE EMAIL. I NEED A COPY OF THE CANCELED CHECK.																																				
SCHEDULE AND DELIVER																																				

[illegible]

FIG. 5

7/11

Information Reporting - Research

WELCOME : 2:51 PM CDT YOUR LAST LOG IN WAS 1:47 PM CDT

REPORTING

PAYMENTS

TRADE

LIQUIDITY

NOTIFICATIONS

SUPPORT

ADMIN

INFORMATION REPORTING > RESEARCH

DASHBOARD

REPORTS

RESEARCH

STATEMENTS

603B

603C

603D

602A

603A

600

649

660

648

SEARCH

SEARCH CRITERIA

DATE RANGE

AMOUNT IN: USD

KEY WORD(S)

ENTER TO SEARCH

ALL FIELDS

NOTES ONLY

TEXT FIELD ONLY

CHECK #S:

CONTAINS

LOCKBOX #S:

EQUALS

PAYMENT REF #S:

EQUALS

CUSTOMER REF #:

EQUALS

BANK REF #S:

EQUALS

TRANSACTION SET:

ACH

DEPOSITS

BLANCES

LOCKBOXES

CHECKS

BAIZ CODE:

EQUALS

INCLUDE SUMMARY & BLANCE RESULTS

INCLUDE DETAIL RESULTS

ACCOUNTS

ACCOUNT NUMBER

BANK ID

ACCOUNT NAME

ACCOUNT GROUP

ACCOUNT NAME 1

ACCOUNT NAME 1

ACCOUNT NAME 1

ACCOUNT NAME 1

ACCOUNT NAME 1

ACCOUNT NAME 1

ACCOUNT NAME 1

ACCOUNT NAME 1

0 ACCOUNTS SELECTED

1 ADD NEW GROUP

SEARCH

SAVE SEARCH

EDIT TABLE

CLEAR FILTER

FIG. 6

802A

Information Reporting - Statements

800

803A

DIRECT

REPORTING

PAYMENTS

TRADE

LIQUIDITY

NOTIFICATIONS

SUPPORT

ADMIN

INFORMATION REPORTING > RESEARCH

803B

803C

803D

DASHBOARD

REPORTS

RESEARCH

STATEMENTS

SEARCH AVAILABLE STATEMENTS

DATE RANGE

STATEMENT DATE RANGE

881

880

882

AVAILABLE STATEMENTS

STATEMENT

STATEMENT GROUP

STATEMENT

INVESTMENT

INVESTMENT

STATEMENT

1 STATEMENTS SELECTED

AVAILABLE ACCOUNTS

ACCOUNT NUMBER

BANK ID

ACCOUNT NAME

ACCOUNT GROUP

ACCOUNTNAME4

ACCOUNTNAME2

ACCOUNTNAME12

ACCOUNTNAME3

ACCOUNTNAME2

ACCOUNTNAME14

ACCOUNTNAME11

LATIN AMERICA

LATIN AMERICA

ASIA

ASIA

ASIA

ASIA

ASIA

16 ACCOUNTS SELECTED

NEW SEARCH

SAVE SEARCH

RESET

FIG. 8

903A Local Language IR - Simplified Chinese

903

903D

信息报告 > 原因 > 前一天 903B 研究 发表

仪表盘 报告

900

可用的报告

908

创建自定义

前一天 当日 完成报告 括新的 | 21 报告

报告名称 日期范围 格式 我的报告 报告类型

ACH 报告

屏幕 屏幕 CSV 屏幕 PDF 屏幕 屏幕 屏幕 屏幕 屏幕 PDF PDF PDF 屏幕

每日 每日 每日 每日 每日 每日 每日 每日 每日 每日 每日 每日 每日 每日 每日

990

1 选择报告

查询日期选定报

自 至

执行 电子邮件 输出 额报 添加到我的报告

FIG. 9

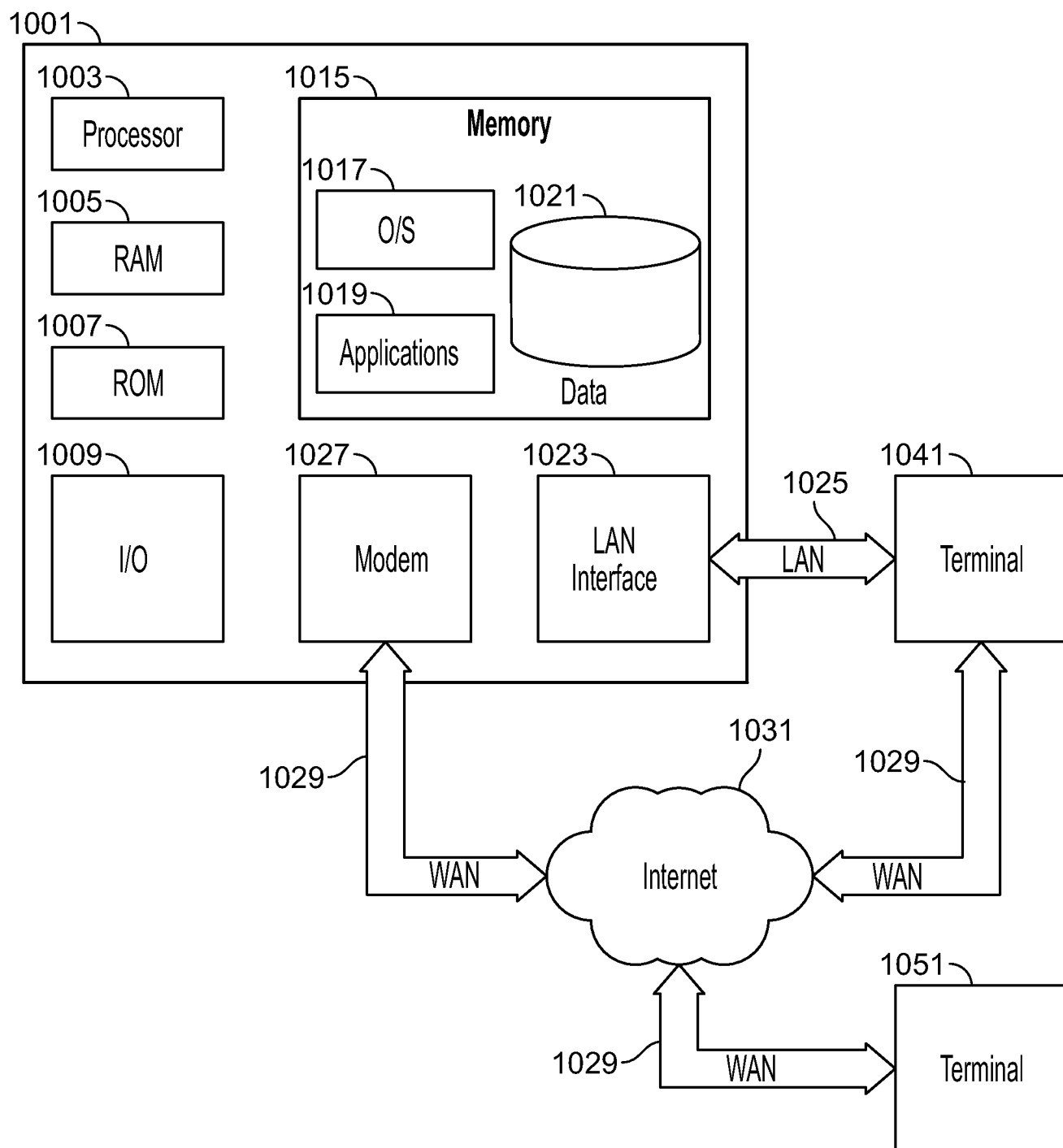


FIG. 10