

more displays, one or more interfaces, one or more components capable of inputting data, one or more components capable of outputting data, one or more components capable of communicating with any other component of cryptocurrency wire transfer environment 100, or any other component suitable for a particular purpose.

[0014] Processor 111 may include one or more microprocessors, controllers, or any other suitable computing devices or resources. Processor 111 may work, either alone or with components of cryptocurrency wire transfer environment 100, to provide a portion or all of the functionality of cryptocurrency wire transfer environment 100 described herein.

[0015] Processor 111 communicatively couples to memory 112. Memory 112 may take the form of volatile or non-volatile memory including, without limitation, magnetic media, optical media, Random Access Memory (RAM), Read Only Memory (ROM), removable media, or any other suitable memory component. In certain embodiments, a portion or all of memory 112 may store one or more database data structures, such as one or more structured query language (SQL) servers or relational databases.

[0016] In certain embodiments, memory 112 may be internal or external to processor 111 and may include one or more instruction caches or one or more data caches. Instructions in the instruction caches may be copies of instructions in memory 112, and the instruction caches may speed up retrieval of those instructions by processor 111. Data in the data caches may include any suitable combination of copies of data in memory 112 for instructions executing at processor 111 to operate on, the results of previous instructions executed at processor 111 for access by subsequent instructions executing at processor 111, or for writing to memory 112, and/or any other suitable data. The data caches may speed up read or write operations by processor 111.

[0017] In some embodiments, customer device 110 also may comprise graphical user interface (GUI) 114. GUI 114 is generally operable to tailor and filter data presented to customer 102. GUI 114 may provide customer 102 with an efficient and user-friendly presentation of information regarding the functionality of customer device 110. GUI 114 may comprise a plurality of displays having interactive fields, pull-down lists, and buttons operated by customer 102. GUI 114 may include multiple levels of abstraction including groups and boundaries. In certain embodiments, GUI 114 may comprise a web browser. In another embodiment, GUI 114 may comprise a graphical representation of a mobile application.

[0018] Customer device 110 may communicate with any other component of cryptocurrency wire transfer environment 100 over network 120. This disclosure contemplates any suitable network 120. As an example and not by way of limitation, one or more portions of network 120 may include an ad hoc network, an intranet, an extranet, a virtual private network (VPN), a local area network (LAN), a wireless LAN (WLAN), a wide area network (WAN), a wireless WAN (WWAN), a metropolitan area network (MAN), a portion of the Internet, a portion of the Public Switched Telephone Network (PSTN), a cellular telephone network, or a combination of two or more of these. Network 120 may include one or more networks 120. For example, one network 120 may be utilized for transferring funds via cryptocurrency, while another network 120 may be a network 120 local to wire transfer server 130, while yet another network 120 may be local to foreign financial institution server 160. The current

disclosure contemplates any number of networks 120 suitable for a particular purpose. Any component of cryptocurrency wire transfer environment 100 may communicate to another component of cryptocurrency wire transfer environment 100 via network 120.

[0019] In some embodiments, components of cryptocurrency wire transfer environment 100 may be configured to communicate over links 116. Communication over links 116 may request and/or send information about any suitable component of cryptocurrency wire transfer environment 100. Links 116 may connect components of cryptocurrency wire transfer environment 100 to network 120 or to each other. This disclosure contemplates any suitable links 116. In particular embodiments, one or more links 116 include one or more wireline (such as for example Digital Subscriber Line (DSL) or Data Over Cable Service Interface Specification (DOCSIS)), wireless (such as for example Wi-Fi or Worldwide Interoperability for Microwave Access (WiMAX)), or optical (such as for example Synchronous Optical Network (SONET) or Synchronous Digital Hierarchy (SDH)) links. In particular embodiments, one or more links 116 each include an ad hoc network, an intranet, an extranet, a VPN, a LAN, a WLAN, a WAN, a WWAN, a MAN, a portion of the Internet, a portion of the PSTN, a cellular technology-based network, a satellite communications technology-based network, another link 116, or a combination of two or more such links 116. Links 116 need not necessarily be the same throughout cryptocurrency wire transfer environment 100. One or more first links 116 may differ in one or more respects from one or more second links 116.

[0020] Customer device 110 may communicate over network 120 with wire transfer server 130. Generally, wire transfer server 130 may be used by an enterprise to initiate and execute actions and transactions that allow the enterprise to complete a fund transfer request. More specifically, wire transfer server 130 may include processor 131, memory 132, user accounts 134, transaction module 136, and transfer module 138. Processor 131 may include one or more microprocessors, controllers, or any other suitable computing devices or resources. Processor 131 may work, either alone or with components of cryptocurrency wire transfer environment 100, to provide a portion or all of the functionality of cryptocurrency wire transfer environment 100 described herein. Processor 131 communicatively couples to memory 132. Memory 132 may take the form of volatile or non-volatile memory including, without limitation, magnetic media, optical media, RAM, ROM, removable media, or any other suitable memory component.

[0021] In certain embodiments, memory 132 may be internal or external to processor 131 and may include one or more instruction caches or one or more data caches. Instructions in the instruction caches may be copies of instructions in memory 132, and the instruction caches may speed up retrieval of those instructions by processor 131. Data in the data caches may include any suitable combination of copies of data in memory 132 for instructions executing at processor 131 to operate on, the results of previous instructions executed at processor 131 for access by subsequent instructions executing at processor 131, or for writing to memory 132, and other suitable data. The data caches may speed up read or write operations by processor 131.

[0022] Wire transfer server 130 may store and retrieve customer information from customer accounts 134. For example, wire transfer server 130 may use a unique identifier of cus-