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(54) Title: SYSTEMS AND METHOD FOR CONDUCTING AND MANAGING CRYPTOCURRENCY TRANSACTIONS

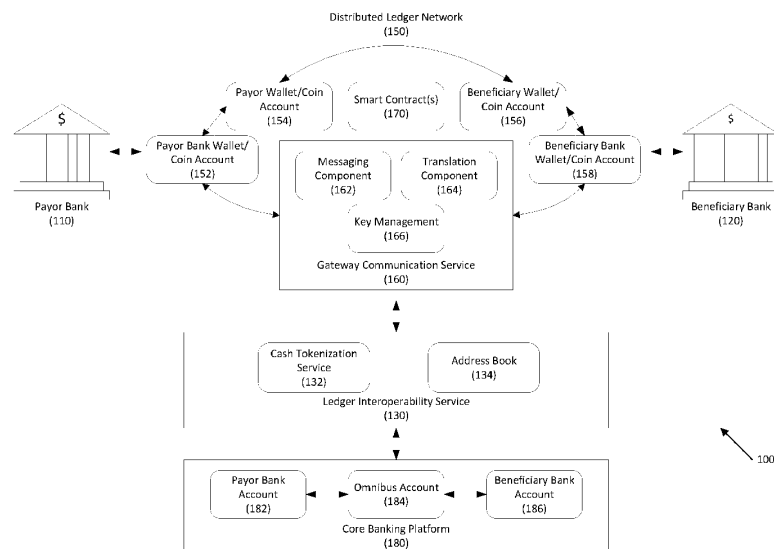


FIGURE 1

(57) Abstract: A method for digital coin issuance may include: receiving, at a ledger interoperability service and from a gateway communication service, a request to deposit a digital coin balance for an amount of funds for a client to a client digital coin wallet on a distributed ledger; receiving, at an omnibus account, a transfer of the funds from a client demand deposit account for the client; identifying, by the ledger interoperability service, an address for the client digital coin wallet on the distributed ledger using an address book; submitting, by the ledger interoperability service, a request to the gateway communication service to issue the digital coin balance to the client digital coin wallet and to generate postings for the digital coin balance for the distributed ledger; and receiving, by the ledger interoperability service, confirmation from gateway communication service of writing the digital coin balance to the client digital coin wallet.

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