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(54) Title: METHOD AND SYSTEM OF INTEGRATING BLOCKCHAIN TECHNOLOGY WITH EXISTING COMPUTER ARCHITECTURE

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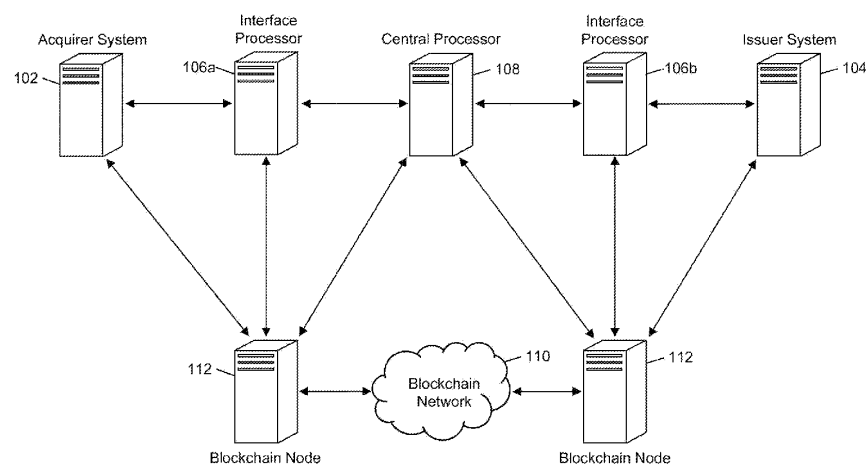


FIG. 1

(57) Abstract: A method for enabling the use of blockchain smart contracts as part of a traditional payment transaction includes: receiving, by a receiver of a processing server, a transaction message for a payment transaction, wherein the transaction message is formatted according to one or more standards and includes a plurality of data elements storing transaction data, the transaction data including at least a bank identification value; determining, by a processor of the processing server, a routing plan for the transaction message based on at least the bank identification value; and transmitting, by a transmitter of the processing server, the transaction message to (i) a first computing system using a first communication port of the processing server, and (ii) a second computing system using a second communication port of the processing server, based on the determined routing plan.

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