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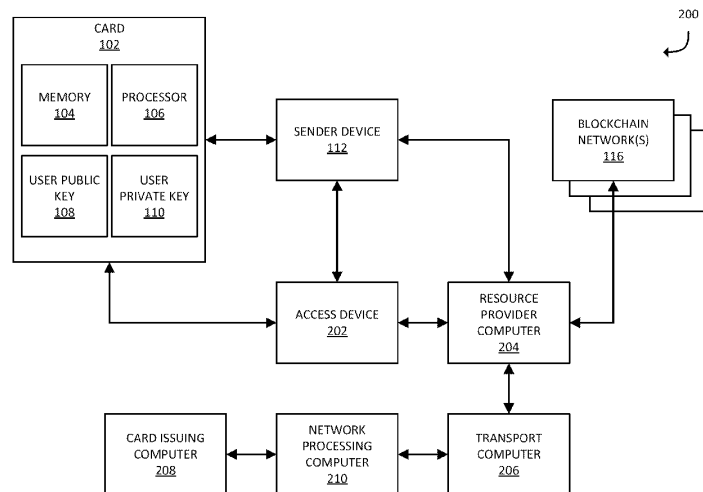


FIG. 2

(57) Abstract: A method includes a sender device operated by a sender receiving a receiver address associated with a receiver. The sender device prompts the sender to interact a card comprising a processor and a memory storing a sender public key and a sender private key of a sender public-private key pair associated with a blockchain network, the card held by the sender. The sender device transmits interaction data including the receiver address, a sender address of the sender, and a value to the card. The processor of the card retrieves the sender private key and signs the interaction data to produce signed interaction data. The sender device receives the signed interaction data and the sender public key. The sender device transmits the interaction data and the signed interaction data to the blockchain network. The blockchain network records the interaction data and the signed interaction data in a block of a blockchain.

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