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(54) Title: METHOD AND SYSTEM FOR PARALLEL PROCESSING OF SMART CONTRACTS IN PERMISSIONED BLOCKCHAINS

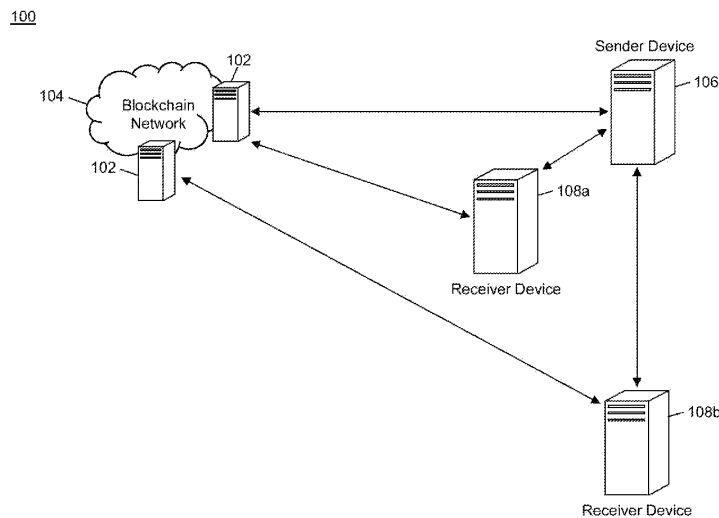


FIG. 1

(57) Abstract: A method for parallel execution of dispatches in a smart contract in a blockchain includes: receiving, by a blockchain node in a blockchain network, a smart contract; identifying dispatches as inputs for the smart contract; separating the dispatches into sets, where each set includes at least one dispatch where each dispatch includes a common reference value associated with an entry in a prior block in the blockchain; determining one valid dispatch in each set based on predetermined criteria; executing the smart contract using the one valid dispatch for each set; a new block for the blockchain including blockchain data entries generated by execution of the smart contract; and transmitting the generated new block to a plurality of additional nodes in the blockchain network.

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