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(54) Title: SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR PREVENTING MINER EXTRACTABLE VALUE (MEV) ATTACKS IN A BLOCKCHAIN NETWORK

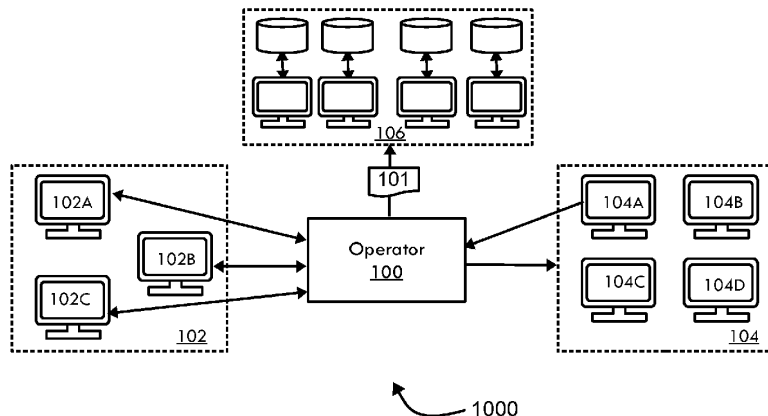


FIG. 1

(57) Abstract: Provided is a system, method, and computer program product for preventing MEV attacks in a blockchain network. The system includes at least one processor programmed or configured to communicate a plurality of digests to each mining node of a plurality of mining nodes in a blockchain network, each digest of the plurality of digests generated based on a transaction request including transaction data without including the transaction data in each digest, receive, from at least one mining node of the plurality of mining nodes, block data generated based on a proof- of-work protocol and at least a portion of digests of the plurality of digests, request the transaction data for each transaction request of a plurality of transaction requests corresponding to the at least a portion of digests, and publish a new block to the blockchain network based on the transaction data and the block data.

[Continued on next page]

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