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(54) Title: IDENTITY MANAGEMENT, SMART CONTRACT GENERATOR, AND BLOCKCHAIN MEDIATING SYSTEM, AND RELATED METHODS

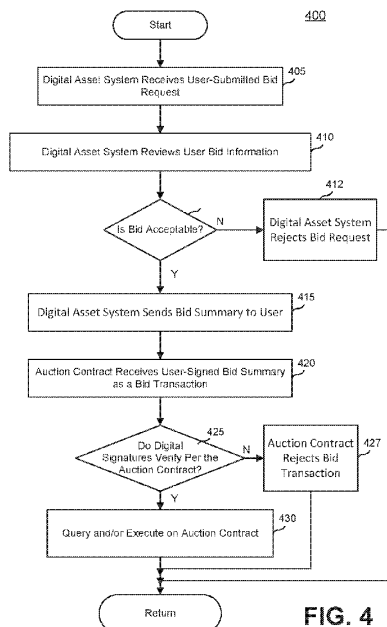


FIG. 4

(57) Abstract: A digital asset system comprises a user information system, a transaction machine instructions generator to produce machine instructions of a blockchain transaction, a signing module, a blockchain communications system that sends system-signed messages to a blockchain system, and a transaction mediating system that receives user input comprising a transaction data structure representing the blockchain transaction. The transaction mediating system can send machine instructions to other elements of the system in response to user input and machine instructions of the blockchain transaction for execution on a blockchain system. The signature module can generate a system-signed message with a digital signature associated with the digital asset system, (a) machine instructions of a transaction for execution on a blockchain system received from the transaction instructions generator or (b) a user-signed machine instructions of a transaction for execution on a blockchain system received from the transaction mediating system.

[Continued on next page]

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