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(57) Abstract:

System and method for biometric-based authentication of a user, over blockchain, for authorizing a transaction are described. In one example, the method may include receiving a first biometric of the user; based on the received first biometric, providing a list of a plurality of bank accounts associated with the user; receiving a selection, from the user, of at least one of the bank accounts from the list of bank accounts; receiving a transactional amount input, from the user; receiving a second biometric of the user; based on the received second biometric, authenticating the user; based on the authentication of the user and the received transactional amount input, initiating the transaction; based on the initiated transaction, generating a set of authentication information in a plurality of blocks, over blockchain; transmitting at least one of the plurality of blocks over a plurality of nodes; and based on a validation of the initiated transaction by the plurality of nodes, authorizing the transaction.

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