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(54) **Title:** ANONYMITY AND TRACEABILITY OF DIGITAL PROPERTY TRANSACTIONS ON A DISTRIBUTED TRANSACTION CONSENSUS NETWORK

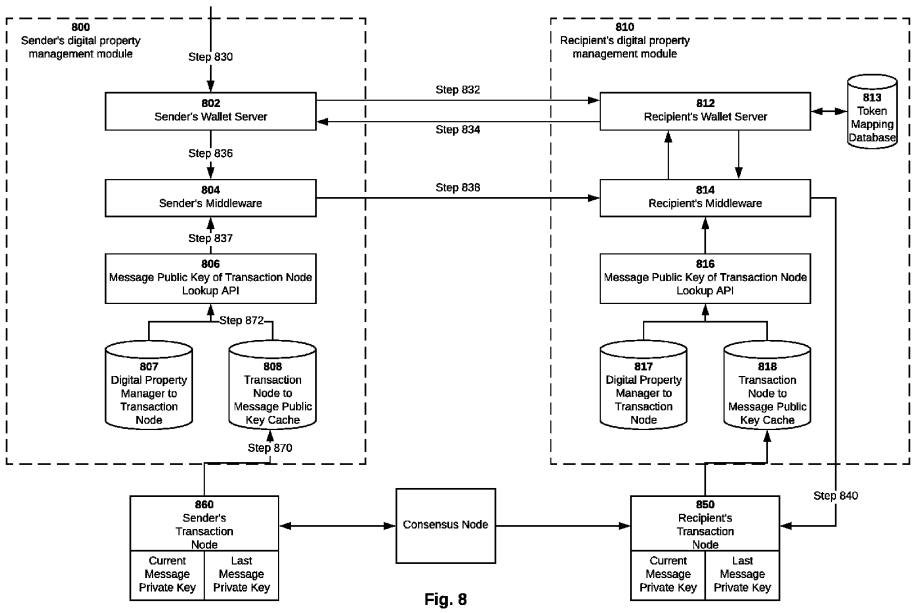


Fig. 8

(57) **Abstract:** The present disclosure concerns methods and systems for increasing anonymity and traceability of a digital property management system that manages digital property transactions on a distributed transaction consensus network. The digital property management system comprises a sender's digital property manager and a recipient's digital property manager. The sender's digital property manager further comprises a sender's module and a sender's transaction node and the recipient's digital property manager further comprises a recipient' module and a recipient's transaction node. To increase anonymity of a remittance transaction between, sender's mpdule is not allowed to access a recipient's virtual identification. Thus, recipient's module generates a token to temporarily replace a recipient's virtual identification. To increase anonymity, an encrypted label is generated for each sub-transaction to identify sub-transactions and their sequence in the same remittance set.

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