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(54) Title: CROSS-CHAIN TRANSACTIONS WITH HASH TIME LOCK CONTRACTS IN A DISTRIBUTED LEDGER SYSTEM

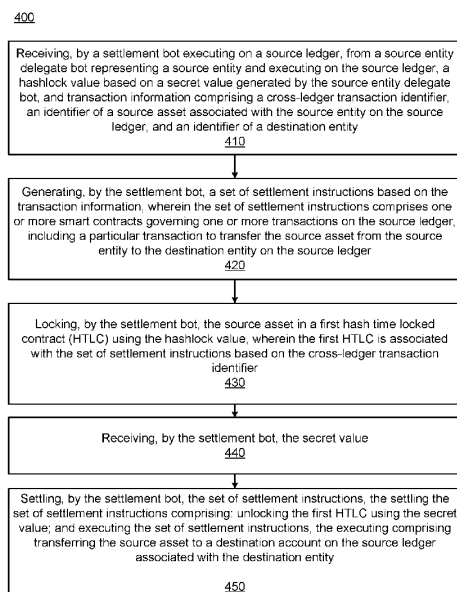


FIG. 4

(57) Abstract: A settlement bot receives a hashlock value from a source entity delegate bot. The hashlock value is based on a secret value. The settlement bot also receives transaction information. The settlement bot generates a set of settlement instructions based on the transaction information. The set of settlement instructions includes one or more smart contracts governing one or more transactions on a distributed ledger. The settlement bot locks an asset in a first HTLC using the hashlock value. The first HTLC is associated with the set of settlement instructions. The settlement bot settles the set of settlement instructions upon receiving the secret value. Settling the set of settlement instructions includes unlocking the first HTLC and executing the set of settlement instructions, which includes transferring the asset to a destination account.

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