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(54) Title: EXECUTING TRANSACTIONS IN BLOCKCHAIN SYSTEMS VIA TOKEN POOLS WITH CONVERTIBLE TOKENS

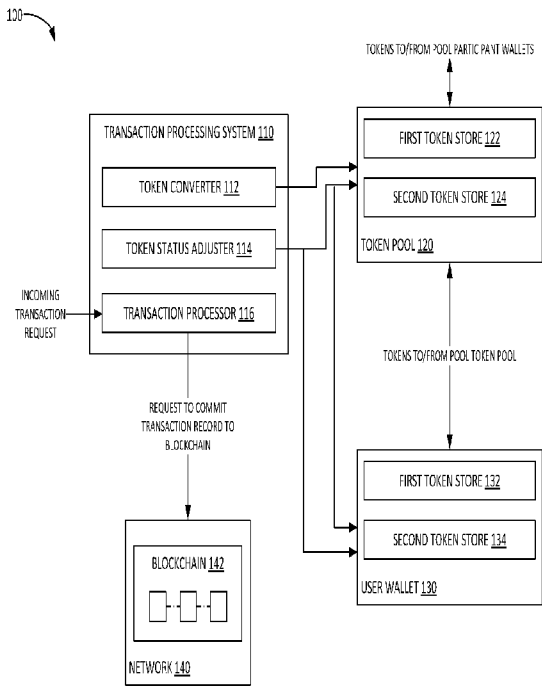


FIG. 1

(57) Abstract: Certain aspects provide techniques and apparatus for efficiently executing reversible transactions on a blockchain. An example method generally includes aggregating tokens from a plurality of wallets into a global pool of tokens. Generally, the global pool of tokens comprises a. first type of token and a second type of token. A request to exchange a first quantity of the first type of token stored in a wallet to a second type of token is received. A second quantity of the second type of token to transfer to the wallet is calculated based, at least in part, on a ratio of the first type of token to the second type of token in the global pool of tokens. The first quantity of the first type of token is transferred to the global pool of tokens, and the second quantity of the second type of token is transferred to the wallet.

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