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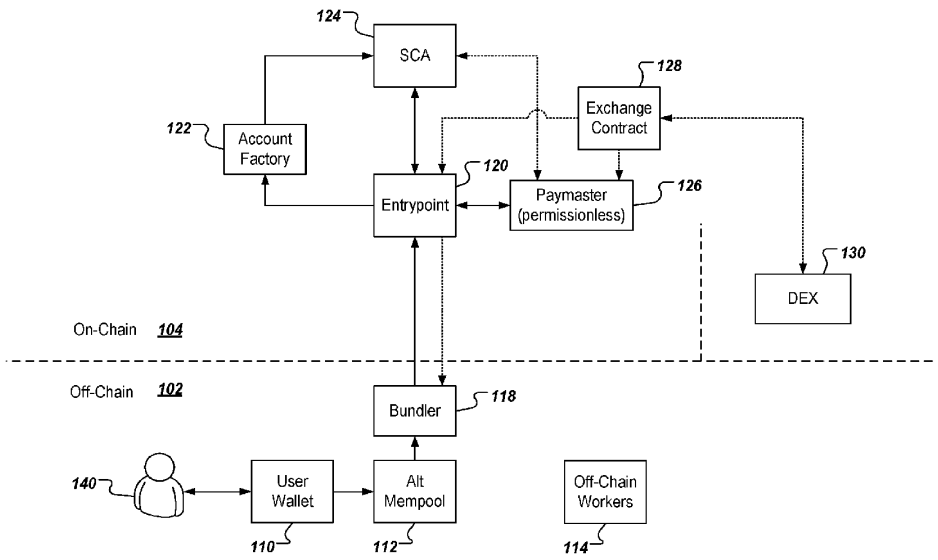


FIG. 1

(57) Abstract: Implementations for account creation within chain networks include creating, by an account factory executed in a chain network, an account for a user within the chain network, the user providing an amount of non-native cryptocurrency to the paymaster to account for a transaction fee for creation of the account in a native cryptocurrency provided from a centralized source of native cryptocurrency, determining, by the paymaster, a maximum transaction fee for creation of the account, the maximum transaction fee being provided in a non-native cryptocurrency, transferring, by the paymaster, the maximum transaction fee from a source of non-native cryptocurrency to the paymaster, after creation of the account, determining, by the paymaster, a total cost of the in the non-native cryptocurrency, and transferring a refund amount from the paymaster to the account based on the total cost, the refund amount being in the non-native cryptocurrency.

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