

CLAIMS

What is claimed is:

1. A method for asset management, the method comprising:
receiving, by a node device in a blockchain, an asset object transfer request, wherein the asset object transfer request comprises a plurality of asset objects to be transferred (102);
in response to the asset object transfer request, combining the plurality of asset objects into a target asset object (104); and
removing address information of the plurality of asset objects from target objects holding the plurality of asset objects, and adding address information of the target asset object to asset receiving objects corresponding to the plurality of asset objects (106).
2. The method according to claim 1, wherein the plurality of asset objects comprises the target asset object specified by a target user.
3. The method according to claim 2, wherein combining the plurality of asset objects into a target asset object comprises:
adding address information of one or more asset objects other than the target asset object in the plurality of asset objects to the target asset object.
4. The method according to claim 1, wherein the asset object transfer request comprises an asset type specified by a target user, and a smart contract object corresponding to the specified asset type is deployed in the blockchain.
5. The method according to claim 4, wherein combining the plurality of asset objects into a target asset object comprises:
invoking the smart contract object corresponding to the asset type specified by the target user, to create the target asset object; and
adding the address information of the plurality of asset objects to the target asset object.

6. The method according to claim 1, further comprising:
deploying a smart contract object corresponding to an asset type of the target asset object in the blockchain, the smart contract object declaring an execution program used to transfer an asset object, and the target asset object is created by invoking the corresponding smart contract object.
7. The method according to claim 6, wherein removing address information of the plurality of asset objects from target objects holding the plurality of asset objects, and adding address information of the target asset object to asset receiving objects corresponding to the plurality of asset objects comprises:
invoking the execution program declared in the smart contract object that corresponds to the asset type of the target asset object and that is deployed in the blockchain, and determining whether the asset object transfer request satisfies a predetermined transfer rule; and
if the asset object transfer request satisfies the predetermined transfer rule, removing the address information of the plurality of asset objects from the target objects holding the plurality of asset objects, and adding the address information of the target asset object to an asset receiving object corresponding to the target asset object.
8. The method according to claim 1, wherein an object supported by the blockchain comprises an address field, and the address field is used to maintain address information of an asset object held by the object.
9. The method according to claim 8, wherein removing address information of the plurality of asset objects from target objects holding the plurality of asset objects, and adding address information of the target asset object to asset receiving objects corresponding to the plurality of asset objects comprises:
removing the address information of the plurality of asset objects from the address fields in the target objects holding the plurality of asset objects, and adding the address information of the target asset object to an address field in an asset receiving object corresponding to the target asset object.

10. The method according to claim 1, wherein an object supported by the blockchain further comprises a code field, and the code field is used to maintain execution code related to an execution program declared in the object.
11. The method according to claim 1, wherein an asset receiving object corresponding to the target asset object comprises:
- an asset receiving object that is specified by a user and that corresponds to the target asset object; or
 - an asset receiving object that is declared in a smart contract object corresponding to an asset type of the target asset object and that corresponds to the target asset object.
12. The method according to claim 1, wherein an object supported by the blockchain comprises an account object, a smart contract object, and an asset object; and
- the asset receiving object corresponding to the target asset object comprises any one of an account object, a smart contract object, and an asset object.
13. The method according to claim 1, wherein the blockchain is a consortium blockchain, and a target member in the blockchain is a consortium member having the right of creating an asset object in the consortium blockchain.
14. The method according to claim 13, wherein the consortium member obtains a public key and a private key returned by the consortium blockchain, the public key being used as an account address of an institution in the consortium blockchain, and the private key being used as a unique key used by the institution to operate the account.
15. An apparatus for asset management, the apparatus comprising a plurality of modules configured to perform the method of any one of claims 1 to 14.