

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 an asset object to be transferred (102);
 - in response to the asset object transfer request, invoking a contract object that corresponds to an asset type of the asset object to be transferred and that is deployed in the blockchain (104);
 - splitting the asset object to be transferred into a plurality of target asset objects (104);
 - removing address information of the asset object to be transferred from a target object holding the asset object to be transferred (106); and
 - adding address information of the plurality of target asset objects to asset receiving objects corresponding to the plurality of target asset objects (106).
2. The method according to claim 1, wherein the contract object declares an execution program and a splitting rule used to split an asset object.
3. The method according to claim 2, wherein:
 - invoking the contract object that corresponds to the asset type of the asset object to be transferred and that is deployed in the blockchain comprises:
 - invoking the execution program declared in the contract object that corresponds to the asset type of the asset object and that is deployed in the blockchain.
4. The method according to claim 3, wherein:
 - splitting the asset object to be transferred into the plurality of target asset objects comprises:
 - splitting the asset object to be transferred into the plurality of target asset objects based on the splitting rule.
5. The method according to claim 1, wherein the contract object declares an execution program and a splitting rule used to split an asset object, and the asset object transfer request further comprises a splitting result for the asset object to be transferred requested by a user.

6. The method according to claim 5, wherein invoking the contract object that corresponds to an asset type of the asset object to be transferred and that is deployed in the blockchain, and splitting the asset object to be transferred into the plurality of target asset objects comprises:

invoking the execution program declared in the contract object that corresponds to the asset type of the asset object and that is deployed in the blockchain, and determining whether the splitting result for the asset object to be transferred requested by the user satisfies the splitting rule declared in the contract object; and

if the splitting result satisfies the splitting rule declared in the contract object, splitting the asset object to be transferred into the plurality of target asset objects based on the splitting result requested by the user.

7. The method according to claim 1, wherein the contract object declares an execution program used to transfer an asset object, and the asset object to be transferred is created by invoking the contract object.

8. The method according to claim 7, wherein removing address information of the asset object to be transferred from the target object holding the asset object to be transferred, and adding address information of the plurality of target asset objects to asset receiving objects corresponding to the plurality of target asset objects comprises:

invoking the execution program declared in the contract object that corresponds to the asset type of the asset object to be transferred 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 asset object to be transferred from the target object holding the asset object to be transferred, and adding the address information of the plurality of target asset objects to the asset receiving objects corresponding to the plurality of target asset objects.

9. 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.

10. The method according to claim 9, wherein removing address information of the asset object to be transferred from a target object holding the asset object to be transferred, and adding address information of the plurality of target asset objects to asset receiving objects corresponding to the plurality of target asset objects comprises:

removing the address information of the asset object to be transferred from an address field in the target object holding the asset object to be transferred, and adding the address information of the plurality of target asset objects to address fields in the asset receiving objects corresponding to the plurality of target asset objects.

11. The method according to claim 1, wherein the 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.

12. The method according to claim 1, wherein the asset receiving objects corresponding to the plurality of target asset objects comprise:

asset receiving objects that correspond to the plurality of target asset objects and that are specified by the user; or

asset receiving objects that correspond to the plurality of target asset objects and that are declared in the contract object corresponding to the asset type of the asset object to be transferred.

13. The method according to claim 1, wherein an object supported by the blockchain comprises an account object, a contract object, and an asset object; and

the asset receiving objects corresponding to the plurality of target asset objects comprise any one of an account object, a contract object, and an asset object.

14. The method according to claim 1, wherein the blockchain is a consortium chain, and a target member in the blockchain is a consortium member having permission to create the asset object in the consortium chain.

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.