CLAIMS

What is claimed is:

1. A method for copyright allocation for a blockchain-based work, wherein the method is applied to a blockchain network that comprises an original author client device, a co-creation participating user client device, and a first node device; and the method comprises the following:

obtaining, (102), by the first node device, a first target transaction from a distributed database of thea blockchain, wherein the first target transaction comprises co-creation participating behavior data of the co-creation participating user for a target work and a unique identifier of the target work, and the target work is originally created by the original author; and

invoking (104) a smart contract corresponding to copyright allocation for the target work, executing logic declared in the smart contract for allocating a copyright share to the co-creation participating user based on the co-creation participating behavior data, and allocating a copyright share of the target work to the co-creation participating user., wherein the copyright share is a digital asset token circulating on the blockchain and the smart contract further declares copyright share profit allocation logic;

~~2. The method according to claim 1, wherein the co-creation participating behavior data comprises dissemination behavior data or creation behavior data or other behavior data of the co-creation participating user for the target work.~~

~~3. The method according to claim 1 or 2, wherein the first target transaction further comprises a unique identifier of the target work.~~

~~4. The method according to claim 1 or 2, wherein the target work is recorded in the distributed database of the blockchain.~~

~~5. The method according to claim 1, wherein the copyright share is a digital asset token circulating on the blockchain.~~

~~6. The method according to claim 1 or 5, wherein the smart contract further declares copyright share profit allocation logic; the method further comprises the following:~~

obtaining a second target transaction from the distributed database of the blockchain, wherein the second target transaction comprises copyright income of the target work sent to the smart contract; and

invoking the smart contract, executing the copyright share profit allocation logic declared in the smart contract, and allocating the copyright income to the co-creation participating user based on the copyright share of the target work obtained by the co-creation

participating user.

~~7. The method according to claim 6~~

2. The method according to claim 1, wherein the co-creation participating behavior data comprises dissemination behavior data or creation behavior data or other behavior data of the co-creation participating user for the target work.

3. The method according to claim 1 or 2, wherein the target work is recorded in the distributed database of the blockchain.

4. The method according to claim 1, wherein the blockchain is a consortium blockchain, and the first node device comprises a consortium member node device that provides a co-creation service of the target work.

~~8.~~

5. An apparatus (20) for copyright allocation for a blockchain-based work~~, wherein the apparatus is applied to~~ in a blockchain network that comprises an original author client device, a co-creation participating user client device, and a first node device~~; and~~, wherein the apparatus (20) is ~~applied to~~implemented at the first node device and comprises the following:

an acquisition unit~~,~~ (202), configured to obtain a first target transaction from a distributed database of ~~the~~a blockchain, wherein the first target transaction comprises co-creation participating behavior data of the co-creation participating user for a target work and a unique identifier of the target work, and the target work is originally created by the original author; and

an execution unit~~,~~ (204), configured to invoke a smart contract corresponding to copyright allocation for the target work, execute logic declared in the smart contract for allocating a copyright share to the co-creation participating user based on the co-creation participating behavior data, and allocate a copyright share of the target work to the co-creation participating user~~.~~, wherein the copyright share is a digital asset token circulating on the blockchain and the smart contract further declares copyright share profit allocation logic,

~~9. The apparatus according to claim 8, wherein the co-creation participating behavior data comprises dissemination behavior data or creation behavior data or other behavior data of the co-creation participating user for the target work.~~

~~10. The apparatus according to claim 8 or 9, wherein the first target transaction further comprises a unique identifier of the target work.~~

~~11. The apparatus according to claim 8 or 9, wherein the target work is recorded in the~~

~~distributed database of the blockchain.~~

~~12. The apparatus according to claim 8, wherein the copyright share is a digital asset token circulating on the blockchain.~~

~~13. The apparatus according to claim 8 or 12, wherein the smart contract further declares copyright share profit allocation logic;~~

~~the acquisition unit~~wherein the acquisition unit (202) is further configured to obtain a second target transaction from the distributed database of the blockchain, wherein the second target transaction comprises copyright income of the target work sent to the smart contract; and

wherein the execution unit (204) is further configured to invoke the smart contract, execute the copyright share profit allocation logic declared in the smart contract, and allocate the copyright income to the co-creation participating user based on the copyright share of the target work obtained by the co-creation participating user.

~~14. The apparatus according to claim 13~~

6. The apparatus (20) according to claim 5, wherein the co-creation participating behavior data comprises dissemination behavior data or creation behavior data or other behavior data of the co-creation participating user for the target work.

7. The apparatus (20) according to claim 5 or 6, wherein the target work is recorded in the distributed database of the blockchain.

8. The apparatus (20) according to claim 5, wherein the blockchain is a consortium blockchain, and the first node device comprises a consortium member node device that provides a co-creation service of the target work.

~~15. A computer device, comprising a memory and a processor, wherein the memory stores a computer program that can be executed by the processor; and the processor executes the computer program to perform the method according to any one of claims 1 to 7.~~

~~16.~~

9. A computer readable storage medium, wherein the computer readable storage medium stores a computer program, and the computer program is executed by a processor to perform the method according to any one of claims 1 to ~~7.~~4.