CLAIMS

What is claimed is:

1. A blockchain-based content processing method, comprising:

obtaining, by a content server, fingerprint information of newly published content data;

transmitting, by the content server, the fingerprint information of the content data to a blockchain system; and

storing, by the content server by using the fingerprint information of the content data as an index, the content data into a target file system in response to receiving a storage success message returned by the blockchain system,

wherein the fingerprint information of the content data is verified in response to determining that no fingerprint information whose similarity with the fingerprint information of the content data is greater than or equal to a target threshold exists in existing fingerprint information of a node device in the blockchain system; and a block including the fingerprint information of the content data is added in the blockchain system in response to determining that the verification succeeds, and the content server receives the storage success message from the blockchain system.

2. The method according to claim 1, wherein the obtaining, by a content server, fingerprint information of newly published content data comprises:

obtaining, by the content server according to a publishing source of the content data, a target eigenvalue algorithm, the target eigenvalue algorithm matching the publishing source; and

generating, by the content server, the fingerprint information of the content data based on the target eigenvalue algorithm and the content data.

3. The method according to claim 1, wherein the transmitting, by the content server, the fingerprint information of the content data to a blockchain system comprises:

obtaining, by the content server, a remainder between the fingerprint information and the

quantity of node devices in the blockchain system;

determining, by the content server, a target node device, a node device identifier of the target node device being the remainder; and

transmitting, by the content server, the fingerprint information of the content data to the target node device in the blockchain system.

4. The method according to claim 1, wherein the storage success message is transmitted after the blockchain system reaches a consensus; and

after the transmitting, by the content server, the fingerprint information of the content data to a blockchain system, the method further comprises:

processing, by the content server, at least one of the content data and a publishing user of the content data in a case that a storage failure message returned by the blockchain system is received.

5. The method according to claim 4, further comprising:

obtaining, by the content server, target fingerprint information from the blockchain system, the target fingerprint information being fingerprint information whose similarity with the fingerprint information is greater than the target threshold; and

obtaining, by the content server, content data corresponding to the target fingerprint information from the target file system by using the target fingerprint information as an index.

6. The method according to claim 1, further comprising:

transmitting, by the content server, user feedback information for any piece of content data to the blockchain system.

7. The method according to claim 6, further comprising:

determining, by the content server by using a content quality score of candidate content data as a ranking factor and at least one piece of correlation information, content data satisfying recommendation requirements from the candidate content data in content data recommendation, the content quality score being determined based on the user feedback

information stored in the blockchain system.

8. A blockchain-based content processing method, applied to any node device in a blockchain system, the method comprising:

receiving, by the node device, fingerprint information of content data, and broadcasting in the blockchain system;

verifying, by the node device, the fingerprint information of the content data, in response to determining that no fingerprint information whose similarity with the fingerprint information of the content data is greater than or equal to a target threshold exists in existing fingerprint information of the node device;

adding, by the node device, a block comprising the fingerprint information of the content data into a blockchain of the blockchain system, in response to determining that the fingerprint information is verified successfully; and

transmitting, by the node device, a storage success message to a content server.

9. The method according to claim 8, wherein the reaching a consensus refers to that a target quantity of node devices in the blockchain system successfully verify the fingerprint information.

10. The method according to claim 8, wherein the block further comprises link address information and a content update record of the content data.

11. The method according to claim 9, further comprising:

determining, by the node device according to first link address information carried in a read instruction, a first block corresponding to the first link address information on the blockchain in response to receiving the read instruction; and

extracting, by the node device, first fingerprint information corresponding to the first link address information from the first block, and returning the first fingerprint information, the first fingerprint information being used for reading first content data corresponding to the first fingerprint information from a target file system.

12. The method according to claim 8, further comprising:

correspondingly storing, by the node device in response to receiving user feedback information of any user for second content data, second fingerprint information of the second content data and the user feedback information for the second content data into the blockchain.

13. A blockchain-based content processing apparatus, comprising a plurality of functional modules configured to perform the blockchain-based content processing method according to any one of claims 1 to 7, or the blockchain-based content processing method according to any one of claims 8 to 12.

14. A server, comprising a processor and a memory, the memory storing at least one piece of program code, the at least one piece of program code being loaded and executed by the processor to implement the blockchain-based content processing method according to any one of claims 1 to 7, or the blockchain-based content processing method according to any one of claims 8 to 12.

15. A computer-readable storage medium, storing at least one piece of program code, the at least one piece of program code being loaded and executed by a processor to implement the blockchain-based content processing method according to any one of claims 1 to 7, or the blockchain-based content processing method according to any one of claims 8 to 12.