

METHOD AND APPARATUS FOR VERIFYING BLOCK DATA IN A BLOCKCHAIN

ABSTRACT

The present application discloses a method and an apparatus for verifying block
5 data, including: selecting, from a block including a plurality of data nodes, a data
node configured to store newly added data; determining a verification value of the
newly added data for the data node, and calculating an update verification value of the
data node based on the verification value of the newly added data; and obtaining a
verification value of the block based on the update verification value of the data node
10 and original verification values of other data nodes included in the block; where the
verification value of the block is used to verify whether data stored in the block is
consistent with data stored in other blocks in a blockchain. The update verification
value of the data node configured to store the newly added data is determined by
using the newly added data, so as to alleviate a problem in the existing technology
15 that much time is consumed because a verification value is calculated by using all
data in a block when new data is added to the block, and effectively shorten time for
calculating the verification value, improving block data verification efficiency.

20 FIG. 1