

BLOCKCHAIN-BASED FINANCIAL TRADING EXECUTING METHOD AND APPARATUS, AND ELECTRONIC DEVICE

ABSTRACT

A method for blockchain-based financial trading, applied to a distributed exchange set up based on a blockchain is disclosed. The distributed exchange includes a plurality of trading centers deployed in a distributed manner. The method includes: receiving a trade order submitted by a user terminal in communication with a local one of the plurality of trading centers; transmitting the received trade order to other ones of the plurality of trading centers in the blockchain and receiving trade orders transmitted from the other ones of the plurality of trading centers submitted by user terminals in communication therewith; generating an order book by performing an order matching process on the received trade orders, transmitting the generated order book to each of the other ones of the plurality of trading centers in the blockchain, and receiving order books transmitted from the other ones of the plurality of trading centers that are generated through performing order matching processes on the corresponding received trade orders; and initiating a consensus process on the order books generated by the plurality of trading centers and executing the matched order in each of the order books for which consensus has been reached.

[Fig .1]