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(54) **Title:** BLOCKCHAIN-BASED FINANCIAL TRADING EXECUTING METHOD AND APPARATUS, AND ELECTRONIC DEVICE

(54) 发明名称: 基于区块链的金融交易执行方法及装置、电子设备

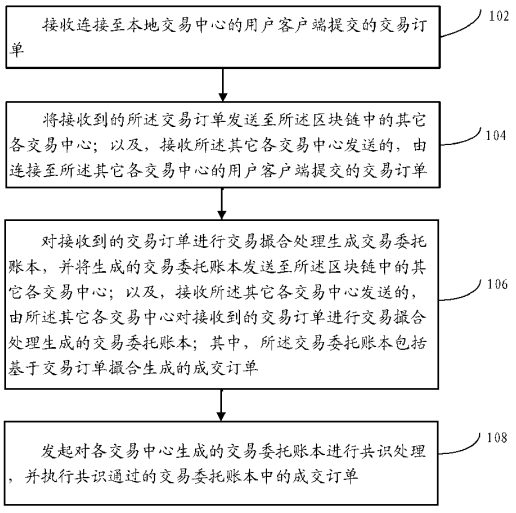

图 1

102 Receive a trading order submitted by a user client connected to a local trading center

104 Send the received trading order to other trading centers in the blockchain; and receive trading orders, which are submitted by user clients connected to other trading centers, sent by other trading centers

106 Perform dealmaking processing on the received trading orders to generate trading commission books, and send the generated trading commission books to other trading centers in the blockchain; and receive the trading commission books, which are generated by other trading centers by performing dealmaking processing on the received trading orders, sent by other trading centers, wherein each trading commission book comprises a closing order generated on the basis of trading order dealmaking

108 Initiate consensus processing on the trading commission book generated by each trading center and execute the trading orders in the trading commission books, for which the consensus is passed

(57) **Abstract:** A blockchain-based financial trading executing method, applicable to a blockchain construction-based distributed exchange, comprising: receiving a trading order submitted by a user client connected to a local trading center; sending the received trading order to other trading centers in the blockchain; receiving trading orders, which are submitted by user clients connected to other trading centers, sent by other trading centers; performing dealmaking processing on the received trading orders to generate trading commission books, and sending the generated trading commission books to other trading centers; receiving the trading commission books, which are generated by other trading centers by performing dealmaking processing on the received trading orders, sent by other trading centers; and initiating consensus processing on the trading commission book generated by each trading center and executing closing orders in the trading commission books, for which the consensus is passed.

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本国际公布:

— 包括国际检索报告(条约第21条(3))。

(57) 摘要：一种基于区块链的金融交易执行方法，应用于基于区块链搭建的分布式交易所；该分布式交易所包括若干分布式部署的交易中心，包括:接收连接至本地交易中心的用户客户端提交的交易订单；将接收到的交易订单发送至所述区块链中的其它各交易中心；接收其它各交易中心发送的，由连接至其它各交易中心的用户客户端提交的交易订单；对接收到的交易订单进行交易撮合处理生成交易委托账本，并将生成的交易委托账本发送至其它各交易中心；接收其它各交易中心发送的，由其它各交易中心对接收到的交易订单进行交易撮合处理生成的交易委托账本；发起对各交易中心生成的交易委托账本进行共识处理，并执行共识通过的交易委托账本中的成交订单。