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(54) Title: BLOCKCHAIN-BASED DATA PROCESSING METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM

(54) 发明名称: 基于区块链的数据处理方法、装置、设备及存储介质

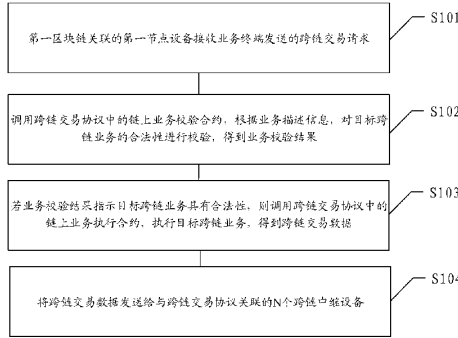


图 6

S101 A first node device associated with a first blockchain receives a cross-chain transaction request sent by a service terminal  
S102 Call an on-chain service verification contract in a cross-chain transaction protocol, and verify the legitimacy of a target cross-chain service according to service description information to obtain a service verification result  
S103 If the service verification result indicates that the target cross-chain service is legitimate, call an on-chain service execution contract in the cross-chain transaction protocol, and execute the target cross-chain service to obtain cross-chain transaction data  
S104 Send the cross-chain transaction data to N cross-chain relay devices associated with the cross-chain transaction protocol

(57) Abstract: Disclosed in embodiments of the present application are a blockchain-based data processing method and apparatus, a device, and a storage medium. The method comprises: a first node device associated with a first blockchain receiving a cross-chain transaction request sent by a service terminal; calling an on-chain service verification contract in a cross-chain transaction protocol, and verifying the legitimacy of a target cross-chain service according to service description information to obtain a service verification result; if the service verification result indicates that the target cross-chain service is legitimate, calling an on-chain service execution contract in the cross-chain transaction protocol, and executing the target cross-chain service to obtain cross-chain transaction data; and sending the cross-chain transaction data to N cross-chain relay devices associated with the cross-chain transaction protocol. By means of the embodiments of the present application, the efficiency and security of cross-chain service processing can be improved.

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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: 本申请实施例公开了基于区块链的数据处理方法、装置、设备及存储介质, 该方法包括: 第一区块链关联的第一节点设备接收业务终端发送的跨链交易请求; 调用跨链交易协议中的链上业务校验合约, 根据业务描述信息, 对目标跨链业务的合法性进行校验, 得到业务校验结果; 若业务校验结果指示目标跨链业务具有合法性, 则调用跨链交易协议中的链上业务执行合约, 执行目标跨链业务, 得到跨链交易数据; 将跨链交易数据发送给与跨链交易协议关联的N个跨链中继设备。采用本申请实施例, 可以提高跨链业务处理的效率和安全性。