

Abstract

Blockchain-based System and Method for Federated Automated Teller Machine Management

A server, a method and a distributed ledger network for processing a transaction request at an Automated Teller Machine (ATM) are disclosed. The ATM is a node in a distributed ledger network. The server is managed by an issuer who is a party in the distributed ledger network. The distributed ledger network is configured to maintain a distributed ledger. The server comprises at least one processor and at least one memory including computer program code. The at least one memory and the computer program code configured to, with the at least one processor, cause the server at least to receive, from the ATM, the transaction request comprising an encrypted identifier associated with an account and a transaction amount, decrypt the encrypted identifier using a decryption key that is associated with the distributed ledger network to identify an issuer which issues the account, and process the transaction request in response to the decryption.

Fig. 2