TITLE OF INVENTION: TRANSACTION AUTHORIZATION AND VERIFICATION THROUGH DISTRIBUTED-LEDGER-BASED CHAIN OF CUSTODY

ABSTRACT

Systems, methods, and computer media for authenticating and verifying transactions using a distributed-ledger-based chain of custody are described herein. A transactable credit can be generated that represents establishment of a physical asset that is fixed to a geolocation. A decentralized chain of custody for the transactable credit can be established in a distributed ledger. The decentralized chain of custody can include information describing the establishment of the physical asset, the geolocation of the physical asset, and transaction information for transactions involving the physical asset. Transactions involving the transactable credit can be authorized using the decentralized chain of custody, and transaction information for such transactions can also be stored in the distributed ledger as part of the decentralized chain of custody.

FIG. 4