SYSTEM AND METHOD FOR AUTHENTICATION AND ASSOCIATION OF MULTI-PLATFORM ACCOUNTS

ABSTRACT

We describe the verification and authentication of independent digital wallets and, particularly, the linking of regulated and unregulated digital wallets on a public blockchain. An unregulated trading system has a public certificate module arranged selectively to write NFTs into specific unregulated accounts. A public ledger database of the blockchain system stores unregulated accounts which each contain: (i) a document type identifier having a related minted unique non-transferable NFT linked to an externally generated certificate hash and where each non-transferable NFT is obtained via writing of a smart contract and each non-transferable NFT is a permanent record for a description of the document type; and (ii) a link to a private wallet of a regulated account of a regulated trading platform. The link relates directly to the minted non-transferable NFT issued from the certificate module. Each non-transferable NFT is configured to be changed or moved from the unregulated wallet only through an interaction that directly involves the certificate module.

Figure 2