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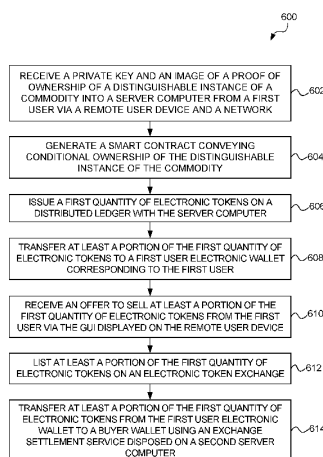
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(54) Title: COMPUTER METHOD AND APPARATUS FOR ADMINISTERING A COMMODITY MATERIAL TRANSACTION VIA A DISTRIBUTED LEDGER

FIG. 6



(57) Abstract: A computer method for administering a commodity material transaction includes receiving a proof of ownership of a distinguishable instance of a commodity material, generating a smart contract representing ownership of the commodity material, issuing electronic tokens corresponding to ownership of the distinguishable instance of the commodity material, and transferring at least a portion of the electronic tokens to a first user wallet. The computer method may include receiving, via a first graphical user interface (GUI) from a seller, an ask price for a distinguishable instance of the commodity material, denominated in a first currency, and receiving, via a second GUI from a buyer, a bid price for the quantity of the commodity material, denominated in a second currency. The computer method includes determining that the ask price and the bid price meet a match criterion. The computer method includes receiving a first cryptocurrency transaction corresponding to the bid price from a buyer wallet into a transaction wallet, and transmitting a second cryptocurrency transaction corresponding to the ask price from the transaction wallet to a seller wallet. A computer system, method, and non-transitory medium provides for conveying value of a commodity using a distributed ledger.

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