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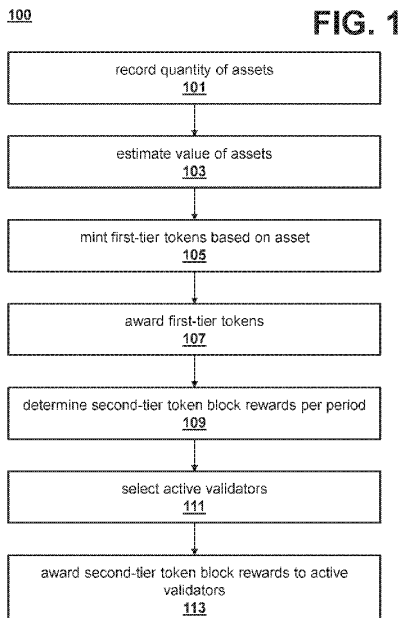
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(54) Title: TWO-TIER TOKEN METHOD AND SYSTEM FOR AN ASSET-BASED CONSENSUS



(57) Abstract: There is provided a method and a system implementing a two-tier blockchain ledger. The blockchain system includes a plurality of connected validator computer nodes maintaining the two-tier blockchain ledger, and a producer node connected to the system and being associated with a physical asset producing entity. The two-tier blockchain ledger includes a first-tier token, which is minted based on physical asset production data from the producer, and a second-tier token, the second-tier token quantity in the ledger depending on a total quantity of first-tier tokens. The producer node may receive newly generated first-tier tokens upon minting. Active validator nodes selected from the validator nodes based on staking of second-tier tokens and/or bidding of first-tier tokens form a consensus to validate blocks in the two-tier blockchain ledger. The active validator nodes may obtain newly generated second-tier tokens based on the total quantity of first-tier tokens.

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