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(54) Title: METHODS AND APPARATUS FOR IMPLEMENTING STATE PROOFS AND LEDGER IDENTIFIERS IN A DISTRIBUTED DATABASE

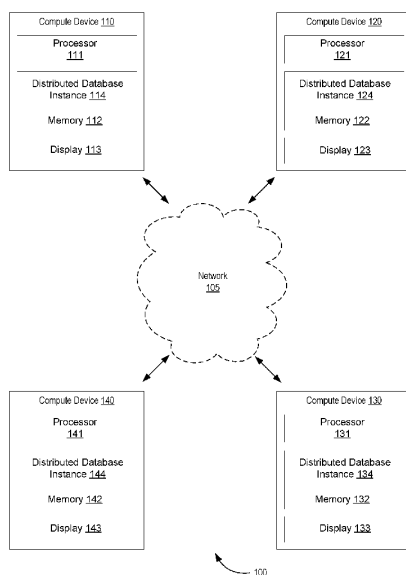


FIG. 1

(57) Abstract: A method includes calculating, at a first time, an identifier for a distributed database by using a first address book of the distributed database. The method includes receiving a transaction to at least one of (1) add a compute device to the first set of compute devices, (2) remove a compute device from the first set of compute devices, or (3) modify a compute device from the first set of compute devices, to define a second set of compute devices. The method includes defining, at a second time, a second address book. The method includes receiving, a state proof associated with data of the distributed database after the second time. The method includes verifying the data of the distributed database by confirming that a predetermined number of compute devices from the first set of compute devices have digitally signed the second address book.



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