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Declarations under Rule 4.17:
— *as to the identity of the inventor (Rule 4.17(i))*
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

(54) **Title:** RELATIONAL DATA MANAGEMENT AND ORGANIZATION USING DLT

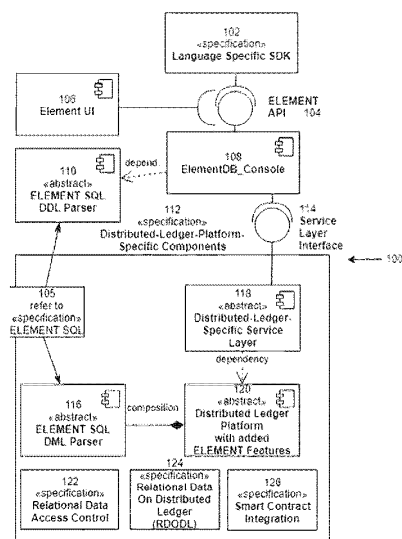


FIG. 1

(57) Abstract: A set of both smart contract and off-chain tools is described that enable the management and organization of data so as to enable storage of that data in a distributed ledger according to relational database principles. A cross-distributed-ledger-platform specification plus reusable core components together create a system that may be implemented on distributed ledger platforms to enable storage and retrieval of data to/from the distributed ledger governed by relational principles. A realization of this system enables addition of system chaincode to Hyperledger® Fabric and uses schemas and data represented as JSON. In use, the user may create, update, and query data from code, a console, or a smart contract where every update is a distributed ledger transaction.

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