ABSTRACT

COMMUNICATION BETWEEN NETWORKS

A system and computer-implemented method for facilitating communication and interoperation between heterogenous networks in an ecosystem of networks is described. Distributed ledger technology is used to provide a first network among the ecosystem of networks with a permissionless core, such as a blockchain. At least a subset of the networks are blockchain networks. The ecosystem comprises regulated and/or unregulated networks that are linked through their engagement with the permissionless core of the first network. Transactions spanning independent networks in the ecosystem benefit from a combination of regulatory oversight and decentralized, algorithmically safe permissionlessness. Transactions between distinct unregulated networks (such as different blockchain networks) and transactions between regulated and unregulated networks (such as between central currency markets and cryptocurrency) are each facilitated with no trusted intermediary.

[Fig. 7]