

CLAIMS

1. A computer-implemented method, comprising:
receiving, from a first blockchain of a plurality of blockchains, a request to subscribe to a multiple blockchain acceleration network accessible to the plurality of blockchains;
providing, in a blockchain transaction acceleration system and to the first blockchain, access to thea multiple blockchain acceleration network ~~accessible to a plurality of blockchains;~~
receiving, at a first acceleration node of the multiple blockchain acceleration network and from a first node in thea first blockchain ~~of the plurality of blockchains,~~ a transaction to be forwarded, wherein a transaction delivery time using the first acceleration node is expected to be faster than a transaction delivery time that is expected by sending the transaction directly to an intended recipient of the transaction; and
forwarding, by the first acceleration node, the transaction to a second node.
2. The computer-implemented method of claim 1, wherein the multiple blockchain acceleration network comprises a plurality of acceleration nodes, each acceleration node accessible to at least one node in at least one blockchain of the plurality of blockchains, and wherein the second node is a node in a second blockchain of the plurality of blockchains.
3. The computer-implemented method of claim 1, wherein the second node is a second acceleration node in the multiple blockchain acceleration network.
4. The computer-implemented method of claim 1, wherein the second node is in a second blockchain, and wherein the first node and the second node are in different networks.
5. The computer-implemented method of claim 1, further comprising:
collecting statistics on delivered transactions to determine acceleration nodes in the multiple blockchain acceleration network that provide faster transaction delivery times; and
selecting, for use by the blockchain transaction acceleration system, an acceleration node having a faster transaction delivery time.

6. The computer-implemented method of claim 1, wherein the blockchain transaction acceleration system is implemented in the plurality of blockchains and the multiple blockchain acceleration network.
7. The computer-implemented method of claim ~~32~~, further comprising:
receiving, from a third blockchain, an additional request to subscribe to the multiple blockchain acceleration network; and
providing, to the third blockchain, access to the multiple blockchain acceleration network.
8. A non-transitory, computer-readable medium storing one or more instructions executable by a computer system to perform operations comprising:
receiving, from a first blockchain of a plurality of blockchains, a request to subscribe to a multiple blockchain acceleration network accessible to the plurality of blockchains;
providing, in a blockchain transaction acceleration system and to the first blockchain, access to thea multiple blockchain acceleration network ~~accessible to a plurality of blockchains;~~
receiving, at a first acceleration node of the multiple blockchain acceleration network and from a first node in thea first blockchain ~~of the plurality of blockchains~~, a transaction to be forwarded, wherein a transaction delivery time using the first acceleration node is expected to be faster than a transaction delivery time that is expected by sending the transaction directly to an intended recipient of the transaction; and
forwarding, by the first acceleration node, the transaction to a second node.
9. The non-transitory, computer-readable medium of claim 8, wherein the multiple blockchain acceleration network comprises a plurality of acceleration nodes, each acceleration node accessible to at least one node in at least one blockchain of the plurality of blockchains, and wherein the second node is a node in a second blockchain of the plurality of blockchains.
10. The non-transitory, computer-readable medium of claim 8, wherein the second node is a second acceleration node in the multiple blockchain acceleration network.

11. The non-transitory, computer-readable medium of claim 8, wherein the second node is in a second blockchain, and wherein the first node and the second node are in different networks.
12. The non-transitory, computer-readable medium of claim 8, further comprising:
collecting statistics on delivered transactions to determine acceleration nodes in the multiple blockchain acceleration network that provide faster transaction delivery times; and
selecting, for use by the blockchain transaction acceleration system, an acceleration node having a faster transaction delivery time.
13. The non-transitory, computer-readable medium of claim 8, wherein the blockchain transaction acceleration system is implemented in the plurality of blockchains and the multiple blockchain acceleration network.
14. The non-transitory, computer-readable medium of claim ~~109~~, further comprising:
receiving, from a third blockchain, an additional request to subscribe to the multiple blockchain acceleration network; and
providing, to the third blockchain, access to the multiple blockchain acceleration network.
15. A computer-implemented system, comprising:
one or more computers; and
one or more computer memory devices interoperably coupled with the one or more computers and having tangible, non-transitory, machine-readable media storing one or more instructions that, when executed by the one or more computers, perform one or more operations comprising:
receiving, from a first blockchain of a plurality of blockchains, a request to subscribe to a multiple blockchain acceleration network accessible to the plurality of blockchains;
providing, in a blockchain transaction acceleration system and to the first blockchain, access to a-the multiple blockchain acceleration network ~~accessible to a plurality of blockchains;~~

receiving, at a first acceleration node of the multiple blockchain acceleration network and from a first node in ~~a the first blockchain of the plurality of blockchains~~, a transaction to be forwarded, wherein a transaction delivery time using the first acceleration node is expected to be faster than a transaction delivery time that is expected by sending the transaction directly to an intended recipient of the transaction; and

forwarding, by the first acceleration node, the transaction to a second node.

16. The computer-implemented system of claim 15, wherein the multiple blockchain acceleration network comprises a plurality of acceleration nodes, each acceleration node accessible to at least one node in at least one blockchain of the plurality of blockchains, and wherein the second node is a node in a second blockchain of the plurality of blockchains.

17. The computer-implemented system of claim 15, wherein the second node is a second acceleration node in the multiple blockchain acceleration network.

18. The computer-implemented system of claim 15, wherein the second node is in a second blockchain, and wherein the first node and the second node are in different networks.

19. The computer-implemented system of claim 15, further comprising:

collecting statistics on delivered transactions to determine acceleration nodes in the multiple blockchain acceleration network that provide faster transaction delivery times; and

selecting, for use by the blockchain transaction acceleration system, an acceleration node having a faster transaction delivery time.

20. The computer-implemented system of claim 15, wherein the blockchain transaction acceleration system is implemented in the plurality of blockchains and the multiple blockchain acceleration network.