

Claims

1. A method for communication routing among a plurality of distributed ledgers, comprising:

registering, by a distributed ledger routing engine comprising at least one computer processor, a plurality of participants, each participant associated with at least one distributed ledger of a plurality of distributed ledgers, at least two of the participants associated with different distributed ledgers;

storing, by the distributed ledger routing engine, registration information for each of the participants in a registry, the registration information identifying the at least one distributed ledger with which the participant is associated;

receiving, by the distributed ledger routing engine and from a messaging entity, a communication for one of the participants;

identifying, by the distributed ledger routing engine and from the registration information, the distributed ledger with which the participant is associated; and

routing, by the distributed ledger routing engine, the communication to a messaging service for the identified distributed ledger;

wherein the messaging service writes the communication to its node in the identified distributed ledger.

2. The method of claim 1, wherein the registration information comprises a role of the participant.

3. The method of claim 1, wherein the registration information comprises a business of the participant.

4. The method of claim 1, wherein the registration information comprises a type of distributed ledger on which the participant is associated.

5. The method of claim 1, wherein the registration information is received from the participant.

6. The method of claim 1, wherein the communication comprises a topic.

7. The method of claim 6, wherein the distributed ledger with which the participant is associated is further identified based on the topic in the message.

8. The method of claim 1, wherein the messaging service translates the communication to a format for writing to its distributed ledger.

9. The method of claim 1, wherein the communication comprises a message or a smart contract.

10. The method of claim 1, wherein the messaging entity comprises a second participant associated with at least one of the plurality of distributed ledgers.

11. A system for communication routing among a plurality of distributed ledgers, comprising:

a plurality of distributed ledgers, each distributed ledger associated with a plurality of participants; and

a distributed ledger routing engine executed by at least one computer processor that is coupled to a memory;

wherein:

the distributed ledger routing engine registers the plurality of participants;

the distributed ledger routing engine stores registration information for each of the participants in a registry, the registration information identifying the at least one distributed ledger of the plurality of distributed ledgers that the participant is associated, at least two of the participants associated with different distributed ledgers;

the distributed ledger routing engine receives a communication for one of the participants from a messaging entity;

the distributed ledger routing engine identifies from the registration information, the distributed ledger with which the participant is associated;

the distributed ledger routing engine routes the communication to a messaging service for the identified distributed ledger; and

the messaging service for the identified distributed ledger writes the communication to its node in the identified distributed ledger.

12. The system of claim 11, wherein the registration information comprises a role of the participant.

13. The system of claim 11, wherein the registration information comprises a business of the participant.

14. The system of claim 11, wherein the registration information comprises a type of distributed ledger on which the participant is associated.

15. The system of claim 11, wherein the registration information is received from the participant.

16. The system of claim 11, wherein the communication comprises a topic.

17. The system of claim 16, wherein the distributed ledger with which the participant is associated is further identified based on the topic in the message.

18. The system of claim 11, wherein the messaging service translates the communication to a format for writing to its distributed ledger.

19. The system of claim 11, wherein the communication comprises a message or a smart contract.

20. The system of claim 11, wherein the messaging entity comprises a second participant associated with at least one of the plurality of distributed ledgers.