Claims

1. A computer-implemented method of performing a transaction using a coin associated with a blockchain, the method comprising:

transmitting a first set of information relating to the transaction for recordal on the blockchain associated with the coin; and

transmitting a second set of information relating to the transaction for storage at a datastore separate to the coin; and

providing an output relating to the first set of information and/or the second set of information;

wherein the method comprises determining the separate datastore in dependence on a location of the transaction.

2. The method of any preceding claim, wherein the first set of information comprises one or more of:

a transaction amount;

a sender; and

a recipient.

3. The method of any preceding claim, wherein the second set of information comprises provenance information and/or wherein the second set of information comprises at least one of:

a reason for the transaction;

an assessment of a/the sender and/or a/the recipient, such as an indication of a trust level; and

information added by a third party following the transaction.

4. The method of any preceding claim, wherein the second set of information is stored in a digital currency wallet.

5. The method of any preceding claim, comprising providing an output relating to the second set of information in dependence on a request, preferably wherein the request comprises an indication that a requesting party is authorised to access the second set of information.

6. The method of any preceding claim, wherein a composition of the first set of information and/or the second set of information depends on a feature of the transaction.

7. The method of claim **Error! Reference source not found.**6, wherein the feature comprises one or more of:

an ecosystem in which the transaction takes place;

a determination that the transaction relates to a movement of the coin between two ecosystems;

a party relating to the ecosystem;

a party controlling and/or overseeing the ecosystem;

the sender; and

the recipient.

8. The method of any preceding claim, comprising a further datastore arranged to store information relating to further transactions, preferably wherein the datastore relates to a first ecosystem and the further datastore relates to a second ecosystem, more preferably wherein the second set of information is stored in either the database or the further database in dependence on whether the transaction occurs in the first ecosystem or the second ecosystem.

9. The method of any preceding claim, further comprising determining an ecosystem in which the transaction has taken place.

10. The method of any preceding claim, further comprising only storing the second set of information if the transaction occurs in the first ecosystem.

11. The method of claim 9 or 10, further comprising determining a spending rule in dependence on the ecosystem in which the transaction has taken place; and altering the fungibility of the coin in dependence on the spending rule, preferably wherein the spending rule relates to at least one of:
    an industry in which the coin is allowed to be used;
    a good and/or service for which the coin is allowed to be used;
    a recipient to whom the coin is allowed to be sent; and
    a purpose for which the coin is allowed to be used.

12. The method of any preceding claim, wherein the datastore is capable of transmitting data from the second set of information to the further datastore and/or a further party.

13. The method of claim 12, further comprising determining a party that is authorised to receive data from the second set of information; and transmitting the data to the second party, preferably wherein the authorisation of the party is determined before the transaction occurs.

14. The method of claim 12 or 13, further comprising transmitting the data to a party related to a/the second ecosystem, preferably transmitting the data in dependence on receiving similar data from the party related to the second ecosystem.

15. The method of any preceding claim, further comprising:
    determining a state of fungibility of the coin; and
    completing the transaction in dependence on the state of fungibility.

16. A method according to claim 15, wherein the state of fungibility is arranged to change in dependence on the provenance data.

17. An apparatus arranged to perform the method of any preceding claim.

18. An apparatus arranged to perform a transaction using a coin associated with a blockchain, the apparatus comprising:
    means for transmitting a first set of information relating to the transaction for recordal on the blockchain associated with the coin;
    means for transmitting a second set of information relating to the transaction for storage at a datastore separate to the coin;
    means, optionally a display, for providing an output relating to the first set of information and/or the second set of information; and
    means for determining the separate datastore in dependence on a location of the transaction.

19. A system for performing a transaction using a coin associated with a blockchain, the system comprising:
    the blockchain associated with the coin for storing a first set of information relating to the transaction; and
    one or more datastores separate to the coin for storing a second set of information relating to the transaction;
    wherein the datastore is arranged to store the second set of information in dependence on a location of the transaction.