

CLAIMS

1. A computer-implemented method for digital asset valuation, comprising:
obtaining a request for valuating a digital asset corresponding to a tangible asset,
wherein information associated with the digital asset is stored in a blockchain;
generating, based on the obtained request, a blockchain transaction for valuating the digital asset, wherein the blockchain transaction invokes a blockchain contract executable for determining value information associated with the digital asset;
sending the blockchain transaction to a blockchain node associated with the blockchain for adding to the blockchain; and
obtaining, from the blockchain, the value information associated with the digital asset.
2. The method of claim 1, wherein the generating the blockchain transaction for valuating the digital asset comprises:
identifying, based on the obtained request, a blockchain contract associated with the blockchain that is executable for issuing the digital asset.
3. The method of claim 2, wherein the blockchain transaction for valuating the digital asset comprises:
an identifier associated with the digital asset; or
an identifier associated with the blockchain contract executable for issuing the digital asset.
4. The method of claim 1, wherein the blockchain transaction for valuating the digital asset comprises:
information associated with one or more characteristics of the tangible asset corresponding to the digital asset.
5. The method of claim 1, wherein the blockchain contract executable to determine value information associated with the digital asset is executable to:
identify information associated with one or more characteristics of the tangible asset corresponding to the digital asset;
determine, based on the one or more characteristics of the tangible asset, one or more other digital assets corresponding to one or more other tangible assets, respectively, wherein

the one or more other tangible assets have characteristics similar to the one or more characteristics of the tangible asset corresponding to the digital asset; and

determine value information associated with the digital asset based on the determined one or more other digital assets.

6. The method of claim 5, wherein the one or more characteristics of the tangible asset comprise:

- a quantity of the tangible asset;
- a size of the tangible asset;
- an appearance of the tangible asset;
- a timeframe associated with creation of the tangible asset;
- a creator of the tangible asset; or
- a condition of the tangible asset.

7. The method of claim 5, wherein the value information associated with the digital asset comprises:

- an identifier corresponding to one of the one or more other digital assets; and
- an estimated ratio between the value of the digital asset and a value of the one other digital asset.

8. The method of claim 5, wherein the value information associated with the digital asset comprises:

- a weight associated with a value of each of the one or more other digital assets.

9. The method of any of the claims 1 to 4, further comprising:

- determining an estimated value of the digital asset based on the value information obtained from the blockchain; and
- sending the estimated value of the digital asset to a sender of the request for valuating the digital asset.

10. The method of claim 9, wherein the determining the estimated value associated with the digital asset comprises:

- retrieving, from the value information obtained from the blockchain, information associated with one or more other digital assets determined to be similar to the digital asset;

obtaining one or more valuations for the one or more other digital assets, respectively;
and

determining the estimated value associated with the digital asset based on the obtained one or more valuations for the one or more other digital assets.

11. The method of claim 10, wherein the determining the estimated value associated with the digital asset comprises:

calculating a weighted average of the obtained one or more valuations for the one or more other digital assets.

12. The method of claim 10, wherein the determining the estimated value associated with the digital asset comprises:

adjusting one of the one or more valuations for one of the one or more other digital assets based on a comparison between a condition of the tangible asset corresponding to the digital asset and a condition of a tangible asset corresponding to the one of the one or more other digital assets.

13. A system for digital asset valuation, comprising:

one or more processors; and

one or more computer-readable memories coupled to the one or more processors and having instructions stored thereon that are executable by the one or more processors to perform the method of any of claims 1 to 12.

14. An apparatus for digital asset valuation comprising a plurality of modules for performing the method of any of claims 1 to 12.

15. A non-transitory computer-readable storage medium configured with instructions executable by one or more processors to cause the one or more processors to perform the method of any of claims 1 to 12.