

CLAIMS

What is claimed is:

1. A computer-based system comprising:
a dual-exchange cryptographically-secured platform (DECSP);
wherein the DECSP comprises:
 - 1) a first-type cryptographically-secured platform (first-type CSP) and
 - 2) a second-type cryptographically-secured platform (second-type CSP);wherein the first-type CSP comprises at least one first computing device;
wherein the second-type CSP comprises at least one second computing device
wherein the at least one first computing device is operationally connected to a blockchain and configured to at least:
 - i) issue at least one digital cryptographical token (crypto-token) associated with at least one non-crypto asset,
 - ii) perform at least one blockchain-based activity with the at least one crypto-token,
 - iii) automatically cause to cryptographically generate, on a blockchain, at least one first blockchain immutable record of the at least one blockchain-based activity with the at least one crypto-token, and
 - iv) automatically transmit at least one instruction associated with the at least one non-crypto asset to the at least one second computing device of the second-type CSP in response to an

issuance of the at least one crypto-token by the at least one first computing device of the first-type CSP;

wherein the at least one second computing device of second-type CSP is configured to at least:

- i) receive the at least one instruction associated with the at least one non-crypto asset from the at least one first computing device of the first-type CSP and
- ii) automatically communicate with at least one non-crypto asset electronic marketplace to execute at least one transaction associated with the at least one non-crypto asset based on the at least one instruction to obtain at least one position in the at least one non-crypto asset; and

wherein the at least one first computing device of the first-type CSP, the at least one second computing device of the second-type CSP, or both, are configured to automatically link:

- i) the at least one blockchain-based activity with the at least one crypto-token and
- 2) the at least one position in the at least one non-crypto asset.

2. The system of Claim 1, wherein the at least one first computing device of the first-type CSP, the at least one second computing device of the second-type CSP, or both, comprise a non-transitory computer memory storing computer code that, when executed, causes the at least one first computing device of the first-type CSP, the at least one second computing device of the second-type CSP, or both, to automatically execute at least one know-your-customer (KYC) determination.

3. The system of Claim 1, wherein the at least one first computing device of the first-type CSP is further configured to automatically cause to cryptographically generate, on the blockchain, at least one second blockchain immutable record of the at least one position in the at least one non-crypto asset that is cryptographically linked to the at least one crypto-token.

4. The system of Claim 1, wherein the at least one first computing device of the first-type CSP is further configured to automatically verify a signature-of-trust of a node via which the at least one first computing device receives, from a user device associated with a user, at least one first request to perform the at least one blockchain-based activity with the at least one crypto-token.

5. The system of Claim 1, further comprising:

at least one digital wallet (eWallet) comprising at least one first graphical user interface configured to allow a user to perform the at least one blockchain-based activity based on a user instruction related to the at least one position in the at least one non-crypto asset.

6. The system of Claim 5, wherein the at least one first computing device of the first-type CSP is further configured to transmit at least one message, via the blockchain, from a first eWallet of a first user to a second eWallet of a second user.

7. The system of Claim 6, wherein the first eWallet comprises at least one second graphical user interface configured to allow the first user to indicate a maximum number of computational steps to be taken to transmit the at least one message, via the blockchain, to the second eWallet of the second user.

8. The system of Claim 1, wherein the at least one first computing device of the first-type CSP is further configured to:

secretly keep at least one private key of the at least one crypto-token and

restrict a user to withdraw the at least one crypto-token to a corresponding value of at least one pre-determined cryptocurrency, at least one predetermined FIAT currency, or both.

9. The system of Claim 1, wherein the at least one first computing device of the first-type CSP is further configured to track a monetary value of the at least one crypto-token based, at least in part, on a monetary value of the at least one position in the at least one non-crypto asset.

10. The system of Claim 5, wherein the eWallet further comprises at least one second graphical user interface configured to display a monetary value of the at least one crypto-token based, at least in part, on a monetary value of the at least one position in the at least one non-crypto asset.

11. A computer-based method comprising:

administering a dual-exchange cryptographically-secured platform (DECSP);

wherein the DECSP comprises:

3) a first-type cryptographically-secured platform (first-type CSP) and

4) a second-type cryptographically-secured platform (second-type CSP);

wherein the first-type CSP comprises at least one first computing device;

wherein the second-type CSP comprises at least one second computing device

wherein the at least one first computing device is operationally connected to a blockchain and configured to at least:

i) issue at least one digital cryptographical token (crypto-token) associated with at least one non-crypto asset,

ii) perform at least one blockchain-based activity with the at least one crypto-token,

iii) automatically cause to cryptographically generate, on a blockchain, at least one first blockchain immutable record of the at least one blockchain-based activity with the at least one crypto-token, and

iv) automatically transmit at least one instruction associated with the at least one non-crypto asset to the at least one second computing device of the second-type CSP in response to an issuance of the at least one crypto-token by the at least one first computing device of the first-type CSP;

wherein the at least one second computing device of the second-type CSP is configured to at least:

i) receive the at least one instruction associated with the at least one non-crypto asset from the at least one first computing device of the first-type CSP and

ii) automatically communicate with at least one non-crypto asset electronic marketplace to execute at least one transaction associated with the at least one non-crypto asset based on the at least one instruction to obtain at least one position in the at least one non-crypto asset; and

wherein the at least one first computing device of the first-type CSP, the at least one second computing device of the second-type CSP, or both, are configured to automatically link:

i) the at least one blockchain-based activity with the at least one crypto-token and

2) the at least one position in the at least one non-crypto asset.

12. The method of Claim 11, wherein the at least one first computing device of the first-type CSP, the at least one second computing device of the second-type CSP, or both, comprise a non-transitory computer memory storing computer code that, when executed, causes the at least one first computing device of the first-type CSP, the at least one second computing device of the second-type CSP, or both, to automatically execute at least one know-your-customer (KYC) determination.

13. The method of Claim 11, wherein the at least one first computing device of the first-type CSP is further configured to automatically cause to cryptographically generate, on the blockchain, at least one second blockchain immutable record of the at least one position in the at least one non-crypto asset that is cryptographically linked to the at least one crypto-token.

14. The method of Claim 11, wherein the at least one first computing device of the first-type CSP is further configured to automatically verify a signature-of-trust of a node via which the at least one first computing device receives, from a user device associated with a user, at least one first request to perform the at least one blockchain-based activity with the at least one crypto-token.

15. The method of Claim 11, further comprising:

administering at least one digital wallet (eWallet) that comprises at least one first graphical user interface configured to allow a user to perform the at least one blockchain-based activity based on a user instruction related to the at least one position in the at least one non-crypto asset.

16. The method of Claim 15, wherein the at least one first computing device of the first-type CSP is further configured to transmit at least one message, via the blockchain, from a first eWallet of a first user to a second eWallet of a second user.

17. The method of Claim 16, wherein the first eWallet comprises at least one second graphical user interface configured to allow the first user to indicate a maximum number of computational steps to be taken to transmit the at least one message, via the blockchain, to the second eWallet of the second user.

18. The method of Claim 1, wherein the at least one first computing device of the first-type CSP is further configured to:

secretly keep at least one private key of the at least one crypto-token and

restrict a user to withdraw the at least one crypto-token to a corresponding value of at least one pre-determined cryptocurrency, at least one predetermined FIAT currency, or both.

19. The method of Claim 11, wherein the at least one first computing device of the first-type CSP is further configured to track a monetary value of the at least one crypto-token based, at least in part, on a monetary value of the at least one position in the at least one non-crypto asset.

20. The method of Claim 15, wherein the eWallet further comprises at least one second graphical user interface configured to display a monetary value of the at least one crypto-token based, at least in part, on a monetary value of the at least one position in the at least one non-crypto asset.