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1. WO2020060606 - CRYPTOCURRENCY SYSTEM USING BODY ACTIVITY DATA

PCT Biblio. Data   Description   Claims   Drawings   ISR/WOSA/A17[2][a]   National Phase   Notices

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[EN]

CLAIMS

1. A cryptocurrency system, comprising:

one or more processors; and

memory storing executable instructions that, if executed by the one or more processors, configure the cryptocurrency system to:

communicate with a device of a user;

receive body activity data which is generated based on body activity of the user, wherein the body activity is sensed by a sensor communicatively coupled to or comprised in the device of the user;

verify if the body activity data of the user satisfies one or more conditions set by the cryptocurrency system; and

award cryptocurrency to the user whose body activity data is verified.

2. The system of claim 1, wherein the body activity sensed by the sensor comprises at least one of body radiation emitted from the user, body fluid flow, a brain wave, pulse rate or body heat radiation.

3. The system of claim 1, wherein the one or more conditions are set based on an amount of human body activity associated with a task which is provided to the device of the user.

4. The system of one of claims 1-3, wherein the body activity data is generated using a hash algorithm converting human body activity into an encryption output, and the generated body activity data comprises a hash of the sensed body activity of the user.

5. The system of one of claims 1-3, wherein the body activity data comprises one or more vectors produced from the body activity sensed by the sensor.

6. The system of one of claims 1-3, wherein the cryptocurrency system awards the cryptocurrency to the user by generating a block for the awarded cryptocurrency and adding the block to a blockchain stored in the cryptocurrency system.

7. The system of claim 6, wherein the block comprises data comprising:

a task provided to the device of the user;

information on the awarded cryptocurrency;

a hash associated with the body activity; and

a hash of a previous block.

8. The system of claim 3, wherein the task provided to the device of the user comprises a test for verifying if the user of the device is human or not.

9. The system of claim 4, wherein the cryptocurrency system is configured to:

receive, from the device of the user, data of the body activity generated before the hash algorithm is applied and the hash of the body activity;

rehash the data of the body activity; and

compare the rehashed data with the hash of the body activity received from the device of the user to verify the body activity data.

10. A computer-implemented method, comprising:

receiving, by a device of a user coupled to a network, a task over the network; sensing, by a sensor communicatively coupled to or comprised in the device of the user, body activity of the user;

generating body activity data based on the sensed body activity of the user;

verifying, by a cryptocurrency system communicatively coupled to the device of the user, if the body activity data satisfies one or more conditions set by the

cryptocurrency system; and

awarding, by the cryptocurrency system, cryptocurrency to the user whose body activity data is verified.

11. The method of claim 10, wherein the body activity sensed by the sensor comprises at least one of body radiation emitted from the user, body fluid flow, a brain wave, pulse rate or body heat radiation.

12. The method of claim 10, wherein the one or more conditions are set by the cryptocurrency system based on an amount of human body activity associated with the task provided to the device of the user.

13. The method of one of claims 10-12, wherein the body activity data is generated using a hash algorithm converting human body activity into an encryption output, and the generated body activity data comprises a hash of the sensed body activity of the user.

14. The method of one of claims 10-12, wherein the body activity data comprises one or more vectors produced from the body activity sensed by the sensor.

15. The method of claim 13, further comprising:

receiving, by the cryptocurrency system, from the device of the user, data of the body activity generated before the hash algorithm is applied and the hash of the body activity;

rehashing, by the cryptocurrency system, the data of the body activity; and comparing, by the cryptocurrency system, the rehashed data with the hash of the body activity received from the device of the user to verify the body activity data.

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