

CLAIMS

1. An information processing system based on Internet of Things, wherein the system comprises a server device and a first device, and the first device is an Internet of Things device, wherein

the first device is configured to: when a first acquisition instruction is triggered, acquire biometric feature information, and send the acquired biometric feature information to the server device; and

the server device is configured to: receive the biometric feature information sent by the first device, and identify, according to the biometric feature information, a user corresponding to the biometric feature information.

2. The system according to claim 1, wherein the system further comprises a second device, and the second device is an Internet of Things device;

the second device is configured to: when a second acquisition instruction is triggered, acquire body movement information, and send the acquired body movement information to the server device; and

the server device is configured to: receive the body movement information sent by the second device, and perform a transaction or operation for the user according to the body movement information.

3. The system according to claim 2, wherein the first device and the second device are the same device; or

the first device and the second device are not the same device.

4. The system according to claim 3, wherein when the first device and the second device are not the same device, the first device and the second device have a binding relationship; and

the first device receives an identification result obtained by identifying the user according to the biometric feature information by the server device, and determines, according to the identification result, whether to trigger the second acquisition instruction of the second device bound with the first device; or after identifying the user according to the biometric feature information, the server device determines, according to an identification result, whether to trigger the second acquisition instruction of the second device bound with the first device.

5. The system according to claim 1, wherein the system further comprises a voice device,

and the voice device is an Internet of Things device;

the voice device is configured to: acquire voice information, and send the acquired voice information to the server device; and

the server device is configured to: receive the voice information sent by the voice device, and identify the user according to the biometric feature information and voiceprint feature information comprised in the voice information.

6. The system according to claim 2, wherein the system further comprises a voice device, and the voice device is an Internet of Things device;

the voice device is configured to: acquire voice information, and send the acquired voice information to the server device; and

the server device is configured to: receive the voice information sent by the voice device, perform semantic recognition on the voice information, and perform the transaction or operation for the user according to the body movement information and semantics recognized from the voice information.

7. The system according to claim 6, wherein the server device is configured to return corresponding reply information to the voice device according to the semantics recognized from the voice information; and

the voice device is configured to receive and play the reply information.

8. The system according to claim 2, wherein the system further comprises a display device;

the server device is configured to return response information to the display device according to the biometric feature information and/or the body movement information; and

the display device is configured to receive and display the response information.

9. The system according to claim 8, wherein the display device is a thin film display and is carried by the user.

10. The system according to claim 8, wherein the system further comprises a vital sign detection device;

the vital sign detection device is configured to: acquire vital sign information of the user, and send the vital sign information to the server device; and

the server device is configured to: receive the vital sign information; determine, according to the received vital sign information and a stored recommendation rule, information and/or a transaction or operation to be recommended to the user; and send the determined information and/or transaction or operation to the display device for displaying.

11. The system according to claim 1, wherein the system further comprises a human

body chip;

the human body chip is configured to: acquire biometric feature information, and send, to the first device, the acquired biometric feature information and/or a digital certificate that uniquely corresponds to the user and that is stored in the human body chip;

the first device is configured to send, to the server device, the biometric feature information and/or the digital certificate that is sent by the human body chip; and

the server device is configured to identify the user according to the biometric feature information acquired by the first device, and the biometric feature information acquired by the human body chip and/or the digital certificate stored in the human body chip.

12. An information processing method based on Internet of Things, comprising:

receiving, by a server device, biometric feature information sent by a first device, wherein the first device is an Internet of Things device; and

identifying, according to the biometric feature information, a user corresponding to the biometric feature information.

13. The method according to claim 12, wherein the biometric feature information comprises one of or a combination of a plurality of physiological features and behavioral features.

14. The method according to claim 13, wherein the identifying, according to the biometric feature information, a user corresponding to the biometric feature information specifically comprises:

for each type of received biometric feature information, determining a similarity between the biometric feature information and each prestored biometric feature sample; determining, according to the determined similarity, a biometric feature sample that matches the biometric feature information; and determining, according to a correspondence between each prestored biometric feature samples and a user, a user corresponding to the biometric feature sample that matches the biometric feature information; and

when in users respectively determined based on all the types of the biometric feature information, more than a set quantity or a set ratio of the users are the same user, determining that the same user is an identification result.

15. The method according to claim 12, wherein the method further comprises:

receiving, by the server device, body movement information sent by a second device, wherein the second device is an Internet of Things device; and

performing a transaction or operation for the user according to the body movement information.

16. The method according to claim 15, wherein the performing a transaction or operation for the user according to the body movement information specifically comprises:

determining, according to a prestored correspondence between the second device and body movement information, pieces of body movement information corresponding to the second device;

determining body movement information that matches the received body movement information in the determined pieces of body movement information; and

performing, according to a prestored correspondence set for the second device and between each piece of body movement information and a transaction or operation, a transaction or operation corresponding to the body movement information that matches the received body movement information for the user.

17. The method according to claim 15, wherein before the receiving, by the server device, body movement information sent by a second device, the method further comprises:

determining, by the server device and according to the identified user, whether the user is an authorized user; and

if yes, triggering a second acquisition instruction of the second device bound with the first device, for the second device to acquire the body movement information; or

if not, not triggering a second acquisition instruction of the second device bound with the first device.

18. An information processing method based on Internet of Things, comprising:

monitoring, by a first device, whether a first acquisition instruction of the first device is triggered, wherein the first device is an Internet of Things device;

when it is detected that the first acquisition instruction is triggered, acquiring biometric feature information; and

sending the acquired biometric feature information to a server device, for the server device to identify a user corresponding to the biometric feature information.

19. The method according to claim 18, wherein a distance sensor or proximity sensor is arranged on the first device; and

the monitoring, by a first device, whether a first acquisition instruction of the first device is triggered specifically comprises:

monitoring, by the first device by using the distance sensor or proximity sensor, whether there is an object whose distance to the first device is less than a set distance; and

if yes, determining that the first acquisition instruction is triggered.

20. The method according to claim 18, wherein an optical sensor is arranged on the first device; and

the monitoring, by a first device, whether a first acquisition instruction of the first device is triggered specifically comprises:

monitoring, by the first device by using the optical sensor, whether intensity of illumination received by the first device is lower than an illumination intensity threshold; and

if yes, determining that the first acquisition instruction is triggered.

21. The method according to claim 18, wherein a temperature sensor is arranged on the first device; and

the monitoring, by a first device, whether a first acquisition instruction of the first device is triggered specifically comprises:

monitoring, by the first device by using the temperature sensor, whether a temperature of an environment in which the first device is located is higher than a temperature threshold; and

if yes, determining that the first acquisition instruction is triggered.