

CLAIMS

1. A method for identity authentication, the method comprising:

selecting a predetermined amount of fingerprint information from a user's plurality of recorded fingerprints (101);

requesting the user to enter fingerprint information of different fingers corresponding to the selected predetermined amount of fingerprint information in a predetermined sequence based on user preferences (204);

receiving a predetermined amount of fingerprint information successively entered by the user based on fingerprint input prompt information (102, 205);

determining whether the received predetermined amount of fingerprint information matches with the selected predetermined amount of fingerprint information (103, 206); and

in response to determining that the received predetermined amount of fingerprint information matches the selected predetermined amount of fingerprint information, generating a confirmation signal indicating that identity authentication succeeded (104, 207).

2. The method according to claim 1, wherein matching the received predetermined amount of fingerprint information against the selected predetermined amount of fingerprint information comprises:

generating a prompt request for entering fingerprint information.

3. The method according to claim 2, further comprising:

detecting whether fingerprint information entered by the user is received within a predetermined time period every time prompt information is output; and

in response to detecting that the fingerprint information entered by the user is received outside the predetermined time period every time prompt information is output, confirming that identity authentication fails and outputting alarm information indicating that an operation timed out.

4. The method according to claim 1, further comprising:

confirming that identity authentication fails and outputting alarm information indicating that identity authentication fails when the received predetermined amount of fingerprint information does not match the selected predetermined amount of fingerprint information.

5. The method according to claim 1, wherein before selecting the predetermined amount of fingerprint information from a user's plurality of recorded fingerprints, the method further comprises:

detecting whether the user currently logs in; and

in response to detecting that the user failed to log in, outputting prompt information prompting the user to log in by using an account; and

selecting a predetermined amount of fingerprint information from the user's plurality of recorded fingerprints comprises:

in response to detecting that the user logged in, retrieving login account information of the user; and

selecting a predetermined amount of fingerprint information from a plurality of recorded fingerprints corresponding to the account information.

6. The method according to claim 1, wherein before selecting a predetermined amount of fingerprint information from a user's plurality of recorded fingerprints, the method further comprises:

recording each fingerprint information entered by the user and fingerprint identification information corresponding to each fingerprint information (201);

detecting whether currently entered fingerprint information exists in recorded fingerprint information in a process of recording the fingerprint information entered by the user (202); and

in response to detecting that the entered fingerprint information exists in recorded fingerprint information, stopping recording the currently entered fingerprint information and outputting an alarm information indicating that a fingerprint is repeatedly entered (203).

7. The method according to claim 1, wherein after selecting the predetermined amount of fingerprint information from the user's plurality of recorded fingerprints, the method further comprises:

outputting prompt information based on fingerprint identification information corresponding to the fingerprint information in a predetermined fingerprint recognition sequence or a random recognition sequence, wherein the prompt information is used to prompt to enter the fingerprint information corresponding to the fingerprint identification information.

8. The method according to any one of claims 6 or 7, wherein the fingerprint identification information comprises a name or an identity (ID) number associated with the fingerprint.

9. The method according to any one of claims 1 to 8, wherein the predetermined amount of fingerprint information is selected based on a security level.

10. A device for identity authentication, the device comprising a plurality of modules configured to perform the method of any one of claims 1 to 9.