

CLAIMS

1. A method for identity registration, the method comprising:
 - receiving, by a terminal device, biometric feature information of a user that is to be verified (S101, S301);
 - matching the biometric feature information with a standard biometric feature information pre-stored by the terminal device (S103, S302);
 - determining whether the matching of the biometric feature information with the standard biometric feature information succeeds;
 - in response to determining that the matching of the biometric feature information with the standard biometric feature information succeeds, searching for a private key corresponding to an identifier corresponding to the standard biometric feature information (S104, S303);
 - determining whether the private key corresponding to the identifier is identified; and
 - in response to determining that the identifier is not identified, registering a user identity with a server based on the biometric feature information, by storing at the server a public key corresponding to the biometric feature information to be verified (S104, S304).
2. The method according to claim 1, wherein before registering the user identity with the server based on the biometric feature information to be verified, the method further comprises:
 - receiving a password entered by the user; and
 - verifying that the password is correct.
3. The method according to claim 1, wherein registering the user identity with the server based on the biometric feature information to be verified comprises:
 - generating the private key and the public key corresponding to the identifier based on the identifier corresponding to the standard biometric feature information that matches the biometric feature information to be verified;
 - storing a mapping relationship between the identifier and the generated private key in the terminal device; and
 - sending a mapping relationship between the identifier and the generated public key to the

server for storage.

4. The method according to claim 1, wherein after registering the user identity with the server, the method further comprises:

 sending a service processing request to the server based on the biometric feature information to be verified, so the server performs service processing based on the public key corresponding to the biometric feature information to be verified.

5. The method according to claim 4, wherein sending the service processing request to the server based on the biometric feature information to be verified comprises:

 signing service information based on the generated private key and sending the service processing request that comprises the signed service information and the identifier to the server, so the server determines the public key corresponding to the identifier comprised in the received service processing request and performs service processing based on the determined public key and the signed service information.

6. The method according to claim 4 or 5, wherein the service processing request comprises a payment request.

7. The method according to claim 4 or 5, further comprising:

 generating a request for a user input comprising a password for the information query service.

8. The method according to any one of claims 1 to 6, wherein the biometric feature information comprises a physical sign of the user.

9. The method according to claim 7, wherein the physical sign of the user comprises an iris of an eye or a fingerprint of a finger.

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