

CLAIMS

1. An authentication method, comprising:
acquiring a front face feature and a side face feature of a user in response to a face authentication request of the user;
5 searching, based on the front face feature and the side face feature of the user, a list of multiple births corresponding to the user for a candidate user matching both the front face feature and the side face feature of the user, wherein the list of multiple births corresponding to the user is a list of multiple births with similar front face features and non-similar side face features; and
determining, based on consistency between the candidate user and the user in the front face
10 feature and the side face feature, whether the user succeeds in the authentication.
2. The method of claim 1, wherein the acquiring a front face feature and a side face feature of a user comprises:
determining whether the user is in a list of multiple births with similar front faces; and
acquiring the front face feature and the side face feature of the user if it is determined that the
15 user is in the list of multiple births with similar front face features.
3. The method of claim 1 or 2, wherein the determining, based on consistency between the candidate user and the user in the front face feature and the side face feature, whether the user succeeds in the authentication comprises:
determining that the user succeeds in the authentication if the candidate user is consistent with
20 the user in both the front face feature and the side face feature; and
determining that the user fails in the authentication if the candidate user is inconsistent with the user in the front face feature or the side face feature.
4. An authentication mode determination method, comprising:
acquiring user information of a user in response to a request for activating a face
25 authentication mode from the user; and

determining an authentication mode for the user based on first user information with similar front face features and non-similar side face features in a list of multiple births, second user information with similar front face features and similar side face features in the list of multiple births, and the user information of the user.

- 5 5. The method of claim 4, wherein the determining an authentication mode for the user based on first user information with similar front face features and non-similar side face features in a list of multiple births, second user information with similar front face features and similar side face features in the list of multiple births, and the user information of the user comprises:

 acquiring a front face feature and a side face feature of the user if the user information of the
10 user is in the first user information; and

 determining the authentication mode for the user based on the front face feature and the side face feature of the user.

6. The method of claim 4 or 5, wherein the determining an authentication mode for the user based on first user information with similar front face features and non-similar side face features
15 in a list of multiple births, second user information with similar front face features and similar side face features in the list of multiple births, and the user information of the user comprises:

 acquiring a front face feature of the user if the user information of the user is not in the first user information; and

 determining the authentication mode for the user based on the front face feature of the user.

- 20 7. The method of claim 4 or 5, wherein the determining an authentication mode for the user based on first user information with similar front face features and non-similar side face features in a list of multiple births, second user information with similar front face features and similar side face features in the list of multiple births, and the user information of the user comprises:

 prompting the user to activate another authentication mode if the user information of the user
25 is in the second user information, the another authentication mode being an authentication mode

other than the face authentication mode.

8. An authentication apparatus, comprising:

an acquisition unit configured to acquire a front face feature and a side face feature of a user in response to a face authentication request of the user;

5 a searching unit configured to search, based on the front face feature and the side face feature of the user, a list of multiple births corresponding to the user for a candidate user matching both the front face feature and the side face feature of the user, wherein the list of multiple births corresponding to the user is a list of multiple births with similar front face features and non-similar side face features; and

10 a determination unit configured to determine, based on consistency between the candidate user and the user in the front face feature and the side face feature, whether the user succeeds in the authentication.

9. An authentication mode determination apparatus, comprising:

an acquisition unit configured to acquire user information of a user in response to a request
15 for activating a face authentication mode from the user; and

a determination unit configured to determine an authentication mode for the user based on first user information with similar front face features in a list of multiple births, second user information with similar front face features and similar side face features in the list of multiple births, and the user information of the user.

20 10. An electronic device, comprising:

a processor; and

a memory configured to store a computer executable instruction, wherein when executed, the executable instruction causes the processor to perform the following operations:

acquiring a front face feature and a side face feature of a user in response to a face
25 authentication request of the user;

searching, based on the front face feature and the side face feature of the user, a list of multiple births corresponding to the user for a candidate user matching both the front face feature and the side face feature of the user, wherein the list of multiple births corresponding to the user is a list of multiple births with similar front face features and non-similar side face features; and

- 5 determining, based on consistency between the candidate user and the user in the front face feature and the side face feature, whether the user succeeds in the authentication.

11. A computer readable storage medium, wherein one or more programs are stored in the computer readable storage medium, and when executed by an electronic device that comprises a plurality of applications, the one or more programs cause the electronic device to perform the
10 following operations:

acquiring a front face feature and a side face feature of a user in response to a face authentication request of the user;

- searching, based on the front face feature and the side face feature of the user, a list of multiple births corresponding to the user for a candidate user matching both the front face feature and the
15 side face feature of the user, wherein the list of multiple births corresponding to the user is a list of multiple births with similar front face features and non-similar side face features; and

determining, based on consistency between the candidate user and the user in the front face feature and the side face feature, whether the user succeeds in the authentication.

12. An electronic device, comprising:

- 20 a processor; and

a memory configured to store a computer executable instruction, wherein when executed, the executable instruction causes the processor to perform the following operations:

acquiring user information of a user in response to a request for activating a face authentication mode from the user; and

- 25 determining an authentication mode for the user based on first user information with similar

front face features and non-similar side face features in a list of multiple births, second user information with similar front face features and similar side face features in the list of multiple births, and the user information of the user.

13. A computer readable storage medium, wherein one or more programs are stored in the
5 computer readable storage medium, and when executed by an electronic device that comprises a plurality of applications, the one or more programs cause the electronic device to perform the following operations:

acquiring user information of a user in response to a request for activating a face authentication mode from the user; and

10 determining an authentication mode for the user based on first user information with similar front face features and non-similar side face features in a list of multiple births, second user information with similar front face features and similar side face features in the list of multiple births, and the user information of the user.