## CLAIMS

1. A computer implemented method for constructing a user voiceprint model, comprising:

receiving first voice information input by a user;

determining whether a preset keyword is carried in the first voice information;

in response to determining that a preset keyword is carried in the first voice information, recording, from the first voice information, a voice segment corresponding to the preset keyword;

constructing a voiceprint model for the user by using the recorded voice segment;

receiving second voice information input by the user;

determining whether a preset keyword meeting a verification requirement is carried in the second voice information;

in response to determining that the preset keyword meeting a verification requirement is carried in the second voice information, recording, from the second voice information, a second voice segment corresponding to the preset keyword meeting a verification requirement;

extracting a voiceprint feature of the recorded second voice segment;

verifying an identity of the user using the voiceprint feature and the constructed voiceprint model of the user;

determining whether a preset keyword that is not included in the voiceprint model of the user is carried in the second voice information;

in response to determining that the preset keyword that is not included in the voiceprint model is carried in the second voice information, recording, from the second voice information, a third voice segment corresponding to the preset keyword that is not included in the voiceprint model of the user; and

updating the voiceprint model of the user using the recorded third voice segment corresponding to the preset keyword that is not included in the voiceprint model of the user.

2. The method of claim 1, wherein the step of determining whether a preset keyword is carried in the first voice information comprises:

when the voiceprint model of the user already currently exists, determining whether a preset keyword that is not included in the voiceprint model is carried in the first voice information; or

when the voiceprint model of the user already currently exists, determining whether a preset keyword that has already been included in the voiceprint model is carried in the first voice information.

3. The method of claim 1 or 2, wherein the step of constructing a voiceprint model for the user by using the voice segment comprises:

when the voiceprint model of the user already currently exists, updating the voiceprint model using the voice segment.

4. The method of claim 3, wherein when it is determined that the preset keyword that is not included in the voiceprint model is carried in the first voice information, updating the voiceprint model using the recorded voice segment comprises updating the voiceprint model by adding the keyword carried in the voice segment to the voiceprint model.

5. The method of claim 3 or 4, wherein when it is determined that the preset keyword that has already been included in the voiceprint model is carried in the first voice information, updating the voiceprint model using the voice segment comprises training the voiceprint model.

6. The method of claim 1, wherein the step of determining whether a preset keyword is carried in the first voice information comprises:

dividing the first voice information using an acoustic model to obtain at least one voice segment; and

determining whether the obtained voice segment or a combination thereof matches an audio feature of the preset keyword, and if yes, determining that the preset keyword is carried in the first voice information.

7. The method of claim 1, wherein the step of determining whether a preset keyword is carried in the first voice information comprises:

performing voice recognition on the first voice information to obtain corresponding text information;

dividing the text information using a language model to obtain at least one text segment; and

determining whether the obtained text segment or a combination thereof is consistent with the text content of the preset keyword, and if yes, determining that the preset keyword is carried in the first voice information.

8. The method of any one of claims 1 to 7, wherein receiving first voice information input by the user comprises receiving first voice information for implementing functions other than the execution of an operation of voiceprint information registration.

9. The method of any one of claims 1 to 7, wherein receiving first voice information input by the user comprises receiving first voice information input by a user using other voice-based operations.

10. The method of any one of claims 1 to 9, wherein the preset keyword comprises a keyword preset according to voiceprint model requirements.

11. An apparatus for constructing a user voiceprint model, comprising a plurality of modules configured to perform the method of any one of claims 1 to 10.