CLAIMS

1. A method executed by a server computer, comprising:

receiving a preset key associated with a key carrier that is a physical object, the preset key being a banknote serial number of a banknote and the carrier being the banknote;

storing the preset key in a database storing mappings between a plurality of preset keys and a plurality of users;

receiving a verification key associated with a user from a terminal in conjunction with identification of the user;

retrieving the preset key associated with the user from the database;

determining whether the verification key matches the preset key associated with the user and determining whether the verification key matches the preset key associated with the user including detecting whether the banknote is genuine;

receiving an indication of whether the key carrier is genuine from the terminal, the indication of whether the key carrier is genuine being generated at least partially on the basis of a banknote detection device capturing an image of the key carrier and executing image analysis regarding the image of the key carrier; and

determining that the user's identity information is verified in response to determining that the key carrier is genuine based at least partially on the indication of whether the key carrier is genuine, and determining that the verification key matches the preset key.

2. The method of claim 1, further comprising:

receiving a preset amount associated with the key carrier;

storing the preset amount;

receiving a verification amount in conjunction with identification of the user;

retrieving the preset amount associated with the user; and

determining whether the verification amount matches the preset amount associated with the user.

3. The method of claim 2, further comprising:

providing an indication of whether the verification amount matches the preset amount associated with the user.

4. The method of claim 3, wherein providing an indication of whether the verification key matches the preset key associated with the user includes providing an indication of whether the verification amount matches the preset amount associated with the user.

5. The method of claim 2, wherein the preset amount is equivalent to a monetary amount corresponding to the banknote.

6. The method of claim 1, further comprising:

receiving an indication that the user's identity information is verified.

7. The method of claim 6, further comprising:

providing the user with access to a web service if the indication of whether the user's identity information is verified indicates that the user's identity information is verified.

8. A method executed by a terminal, comprising:

receiving a verification key included in a key carrier;

sending the verification key to a server;

including receiving from the server an indication of whether the verification key matches a preset key associated with a user, the preset key being the banknote serial number of a banknote and the key carrier being the banknote;

starting determination of whether the key carrier associated with the verification key is genuine and completing identify verification according to whether the key carrier is valid in response to a determination of whether the verification key matches the preset key associated with the user;

determining whether the verification key matches the preset key associated with the user including detecting whether the banknote is genuine;

determining whether the carrier associated with the verification key is genuine at least partially on the basis of a banknote detection device capturing an image of the key carrier and executing an image analysis related to the image of the carrier; and

the user identity information including determining that the user's identity information is verified in response to a determination that the key carrier is genuine based at least partially on an indication of whether the key carrier is genuine and a determination that the verification key matches the preset key.

9. The method of claim 8, further comprising:

receiving a verification amount associated with the key carrier;

sending the verification amount to the server; and

receiving an indication of whether the verification amount matches a preset amount associated with the user.

10. The method of claim 9, further comprising:

using the indication of whether the verification amount matches the preset amount associated with the user as a basis for determining whether the user's identity information is verified.

11. A device comprising:

at least one processor configured to:

receive a preset key associated with a key carrier that is a physical object, the preset key being a banknote serial number of a banknote and the key carrier being the banknote;

store the preset key in a database storing mappings between a plurality of preset keys and a plurality of users;

receive a verification key from a terminal associated with the user in conjunction with verifying the identity of a user;

retrieve the preset key associated with the user from the database;

determine whether the verification key matches the preset key associated with the user, determining whether the verification key matches the preset key associated with the user including detecting whether the banknote is genuine;

receive an indication of whether the key carrier is genuine from the terminal, generation of the indication of whether the key carrier is genuine being at least partially on the basis of a banknote detector capturing the key carrier and executing image analysis related to the image of the key carrier; and

determine that the user's identity information is verified in response to a determination that the key carrier is genuine based at least partially on the indication of whether the key carrier is genuine and a determination that the verification key matches the preset key; and

a memory coupled to the at least one processor and configured to provide instructions to the at least one processor.

12. The device of claim 11, wherein the at least one processor is further configured to:

receive a preset amount associated with the preset carrier;

store the preset amount;

receive a verification amount from the terminal associated with the user in conjunction with verifying the identity of the user;

retrieve the preset amount associated with the user; and

determine whether the verification amount matches the preset amount associated with the user.

13. The device of claim 12, wherein the at least one processor is further configured to:

provide an indication of whether the verification amount matches the preset amount associated with the user.

14. The device of claim 12, wherein the preset amount is equivalent to a monetary amount corresponding to the banknote.

15. The device of claim 11, wherein the at least one processor is further configured to

receive an indication of whether the user's identity information is verified.

16. The device of claim 15, wherein the at least one processor is further configured to:

provide to the user with access to a web server if the indication of whether the user's identity information is verified indicates that the user's identity information is verified.

17. A system, comprising:

at least one processor,

the at least one processor being configured to:

receive a verification key included in a key carrier;

send the verification key to a server; and

receive an indication of whether the verification key matches a preset key associated with a user from the server; and so that:

the preset key is a banknote serial number of a banknote and the key carrier is the banknote;

determining whether the key carrier associated with the verification key is genuine and completing identify verification according to whether the key carrier is valid is started in response to determining whether the verification key matches the preset key associated with the user;

determining whether the verification key matches the preset key associated with the user includes detecting whether the banknote is genuine;

whether the key carrier associated with the verification key is genuine is determined at least partially on the basis of a banknote detector capturing an image of the key carrier and executing an image analysis related to the image of the key carrier; and

the identity verification includes determining that the user's identity information is verified in response to a determination that the key carrier is genuine based at least partially on an indication that the key carrier is genuine, and a determination that the verification key matches the preset key; and

a memory coupled to the at least one processor and configured to provide instructions to the at least one processor.

18. The system of claim 17, wherein the at least one processor is further configured to:

receive a verification amount associated with the key carrier;

send the verification amount to the server; and

receive an indication of whether the verification amount matches a preset amount associated with the user.

19. The system described in claim 18, wherein the at least one processor is further configured to use the indication of whether the verification amount matches the preset amount associated with the user as a basis for determining whether the user's identity information is verified.

20. A computer program that causes a computer to execute:

a function for receiving a preset key, the preset key being a serial number of a banknote and the key carrier being the banknote;

a function for storing the preset key in a database storing mappings between preset keys and users;

a function for receiving a verification key from a terminal associated with a user in conjunction with verifying the identity of a user;

a function for retrieving the preset key associated with the user;

a function for determining whether the verification key matches the preset key associated with the user, the function for determining whether the verification key matches the preset key associated with the user including detecting whether the banknote is genuine;

a function for an indication of whether the key carrier is genuine from a terminal, the indication of whether the key carrier is genuine being at least partially generated on the basis of a banknote detection device capturing an image of the key carrier and executing image analysis regarding the image of the key carrier; and

a function for determining whether the user's identity information is verified in response to a determination that the key carrier is genuine based at least partially on the indication of whether the key carrier is genuine, and a determination that the verification key matches the preset key.