

CLAIMS

1. A method comprising:

5 sending, by a user device, a near-field communication signal including identity information of a logged-in user to a device to instruct the device to identify an identity of the logged-in user, the user device configured to uniquely correspond to an administrative user in providing the identity information;

10 determining, by the user device, according to a response of the device to the near-field communication signal, that the device determines the logged-in user as an administrative user corresponding to the device;

establishing, by the user device, a near-field communication connection with the intelligent device to configure the intelligent device; and

15 sending, by the user device, a configuration request for the device to a server, the configuration request instructing the server to return a digital digest corresponding to the device, the digital digest including an activation code of the device, wherein the activation code is one of:

proactively aged according to a preset cycle and a new activation code is requested from the server, or

20 updated in response to an occurrence of a particular event and the updated activation code is uploaded to the server.

2. The method of claim 1, wherein the digital digest further includes at least one of:

25 a serial number of the device, or identification information of a bound object of the device.

3. The method of claim 1, further comprising:

30 receiving, by the user device, the digital digest returned by the server as the identity information of the logged-in user.

4. The method of claim 3, wherein:

the digital digest is related to a random code previously generated and uploaded by the device, and

the random code is further recorded as a local random code on the device.

5. The method of claim 4, further comprising:

adding, by the user device, the digital digest to the near-field communication signal
5 as the identity information to instruct the device to generate a local digital digest related to
the recorded local random code.

6. The method of claim 5, wherein, the establishing, by the user device, the
near-field communication connection with the device to configure the device includes:

10 determining that the digital digest matches the local digital digest; and
establishing the near-field communication connection with the device.

7. The method of claim 1, wherein:

the device is bound to a preset team, each member of the preset team being the
15 administrative user; and

the configuration request includes the identity information and an instruction to
instruct the server to return the digital digest corresponding to the device in response to
determining that the identity information matches the administrative user of the preset team.

20 8. A server comprising:

one or more processors; and

one or more memories stored thereon computer readable instructions that, when
executed by the one or more processors, cause the one or more processors to perform acts
comprising:

25 acquiring identity authentication information of an administrative user
corresponding to a device in response to receiving a configuration request for the
device sent by a preset user via a user device, the identity authentication information
provided by the user device uniquely corresponding to a user with an administrative
permission, the identity authentication information including a digital digest
30 corresponding to the device, the digital digest including an activation code of the
device, wherein the activation code is one of:

proactively aged according to a preset cycle and a new activation code is
requested from the server; or

updated in response to an occurrence of a particular event and the updated activation code is uploaded to the server; and
returning the identity authentication information to the user device for
sending a near-field communication signal including the identity authentication information to the device.

9. The server of claim 8, wherein:

the near-field communication signal instructs the device to determine according to the identity authentication information that the preset user has an administrative permission, and to establish a near-field communication connection with the user device to allow the user device to configure the device.

10. The server of claim 8, wherein:

the preset user is an administrative user of a preset team; and
the device is bound to the preset team.

11. The server of claim 8, wherein:

the digital digest is related to a random code previously generated and uploaded by the device, and the random code is further recorded as a local random code on the device; and

the near-field communication signal instructs the device to generate a local digital digest related to the recorded local random code, and

the preset user is determined as having an administrative permission in response to determining that the digital digest matches the local digital digest.

12. The method of claim 11, wherein the digital digest is a digital digest of the random code.

13. The server of claim 8, wherein the digital digest is further a digital digest of the random code and at least one of:

a serial number of the intelligent device, or
identification information of a bound object of the device.

14. The server of claim 11, wherein the acts further comprise:

updating a recorded digital digest according to an updated random code generated and uploaded by the device, wherein the updated random code is further used by the device to update the local random code.

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15. One or more memories stored thereon computer readable instructions that, when executed by one or more processors, cause the one or more processors to perform acts comprising:

10 acquiring, by a device, identity information of a user of a user device included in a near-field communication signal sent by the user device in response to receiving the near-field communication signal, the user device configured to uniquely correspond to an administrative user in providing the identity information;

identifying, by the device, the identity of the user according to the identity information;

15 determining, by the device, that the user is the administrative user corresponding to the device;

establishing, by the device, a near-field communication connection with the user device to allow the user device to configure the device;

uploading, by the device, a generated random code to a server; and

20 causing, by the device, the server to send a standard digital digest to a preset administrative user having an administrative permission to the device as identity information of the preset administrative user, the standard digital digest including an activation code of the device, wherein the activation code is one of:

25 proactively aged, by the device, according to a preset cycle and a new activation code is requested, by the device, from the server, or updated, by the device, in response to an occurrence of a particular event and the updated activation code is uploaded, by the device, to the server.

16. The one or more memories of claim 15, wherein the acts further comprise:

30 causing, by the device, the server to generate the standard digital digest related to the generated random code, wherein the generated random code is further recorded as a local random code of the device.

17. The one or more memories of claim 16, wherein the identifying, by the device, the identity of the user according to the identity information comprises:

generating, by the device, a local digital digest related to the recorded local random code;

5 comparing the local digital digest with a to-be-verified digital digest that is the identity information in the near-field communication signal; and

in response to determining that the to-be-verified digital digest matches the local digital digest, determining the user as the administrative user corresponding to the intelligent device.

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18. The one or more memories of claim 17, further comprising:

generating, by the device, an updated random code and uploading the random code to the server so that the server updates the standard digital digest, wherein the updated random code is further used for updating the local random code.

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19. The one or more memories of claim 18, wherein the generating, by the device, the updated random code and uploading the random code to the server includes:

generating, by the device, the updated random code according to a predefined cycle and uploading the updated random code to the server; or

20 generating, by the device, the updated random code and uploading the updated random code to the server after completion of a configuration operation.

20. The one or more memories of claim 15, wherein the digest further includes at least one of:

25 a serial number of the device, or

identification information of a bound object of the device.