What Is Claimed Is:

1. A computer-implemented method for providing a terminal identifier, comprising:

receiving, by a security server from a terminal, a registration information set comprising a first set of equipment-related information associated with a plurality of terminal equipment;

generating the terminal identifier based on the first set of equipment-related information;

receiving, from the terminal, an authentication information set comprising a second set of equipment-related information associated with the plurality of terminal equipment;

determining that a similarity between the first set of equipment-related information and the second set of equipment-related information exceeds a predetermined threshold; and

sending the terminal identifier to the terminal.

2. The method of claim 1, wherein determining that a similarity between the first set of equipment-related information and the second set of equipment-related information exceeds a predetermined threshold comprises:

searching through a plurality of mapping relationships between sets of equipment-related information and terminal identifiers for one or more sets of equipment-related information that have similarity exceeding a predetermined threshold with the second set of equipment-related information, wherein each set of equipment-related information is mapped to a respective terminal identifier; and

selecting, from a plurality of terminal identifiers mapped from the one or more sets of equipment-related information, a terminal identifier mapped from a third set of equipment-related information that has similarity exceeding the predetermined threshold with the second set of equipment-related information; and wherein

sending the terminal identifier to the terminal comprises sending the selected terminal identifier to the terminal.

3. The method of claim 1, wherein generating the terminal identifier based on the first set of equipment-related information comprises:

generating a character string based on the first set of equipment-related information;

generating a signature based on the character string and a key of the security server;

generating the terminal identifier based on the character string and the signature, and

storing data indicating a corresponding relationship between the terminal identifier and the first set of equipment-related information.

4. The method of claim 1, wherein sending the terminal identifier to the terminal comprises:

receiving the second set of equipment-related information from the terminal;

searching for the terminal identifier corresponding to the first set of equipment-related information that matches the second set of equipment-related information from a plurality of mapping relationships between a respective terminal identifier and a respective first set of equipment-related information; and

sending the terminal identifier to the terminal.

5. The method of claim 4, wherein searching for the terminal identifier corresponding to the first set of equipment-related information that matches the second set of equipment-related information comprises:

searching for the terminal identifier corresponding to the first set of equipment-related information for which a similarity to the second set of equipment-related information is greater than a predetermined threshold.

6. The method of claim 1, further comprising:

sending the terminal identifier to the terminal at a plurality of predetermined time slots.

7. The method of claim 1, further comprising:

receiving the second set of equipment-related information from the terminal;

updating the first set of equipment-related information currently stored with the second set of equipment-related information;

receiving a new second set of equipment-related information;

searching for the terminal identifier corresponding to the updated first set of equipment-related information that matches the new second set of equipment-related information; and

sending the terminal identifier to the terminal.

8. A device for providing a terminal identifier, comprising:

a first information set acquisition module configured to receive, by a security server from a terminal, a registration information set comprising a first set of equipment-related information associated with a plurality of terminal equipment;

a terminal identifier generating module configured to generate the terminal identifier

based on the first set of equipment-related information;

a second information set acquisition module configured to receive, from the terminal, an authentication information set comprising a second set of equipment-related information associated with the plurality of terminal equipment;

the device being configured to determine that a similarity between the first set of equipment-related information and the second set of equipment-related information exceeds a predetermined threshold; and

a terminal identifier sending module configured to send the terminal identifier to the terminal.

9. The device of claim 7, wherein the device is configured to determine that a similarity between the first set of equipment-related information and the second set of equipment-related information exceeds a predetermined threshold by:

searching through a plurality of mapping relationships between sets of equipment-related information and terminal identifiers for one or more sets of equipment-related information that have similarity exceeding a predetermined threshold with the second set of equipment-related information, wherein each set of equipment-related information is mapped to a respective terminal identifier; and

selecting, from a plurality of terminal identifiers mapped from the one or more sets of equipment-related information, a terminal identifier mapped from a third set of equipment-related information that has similarity exceeding the predetermined threshold with the second set of equipment-related information; and wherein

the terminal identifier sending module is configured to send the selected terminal identifier to the terminal.

10. The device of claim 9, wherein the terminal identifier generating module is configured to:

generate a character string based on the first set of equipment-related information;

generate a signature based on the character string and a key of the terminal identifier providing device;

generate the terminal identifier based on the character string and the signature, and

storing data indicating a corresponding relationship between the terminal identifier and the first set of equipment-related information.

11. The device of claim 9, further comprising:

the second information set acquisition module configured to receive the second set of equipment-related information from the terminal;

a terminal identifier search module configured to search for the terminal identifier corresponding to the first set of equipment-related information that matches the second set of equipment-related information from a plurality of mapping relationships between a respective terminal identifier and a respective first set of equipment-related information,

wherein the terminal identifier sending module is configured to send the terminal identifier to the terminal.

12. The device of claim 11, wherein the terminal identifier search module is configured to:

search for the terminal identifier corresponding to the first set of equipment-related information for which a similarity to the second set of equipment-related information is greater than a predetermined threshold.

13. The device of claim 9, wherein the terminal identifier sending module is further configured to send the terminal identifier to the terminal at a plurality of predetermined time slots.

14. The device of claim 9, further comprising:

the second information set acquisition module configured to receive the second set of equipment-related information from the terminal;

the terminal identifier generating module further configured to update the first set of equipment-related information currently stored with the second set of equipment-related information;

the second information set acquisition module further configured to receive a new second set of equipment-related information;

a terminal identifier search module configured to search for the terminal identifier corresponding to the updated first set of equipment-related information that matches the new second set of equipment-related information; and

wherein the terminal identifier sending module is further configured to send the terminal identifier to the terminal.

15. A non-transitory computer-readable storage medium storing instructions that when executed by a computer cause the computer to perform a method for providing a terminal identifier, the method comprising:

receiving, by a security server from a terminal, a registration information set comprising a first set of equipment-related information associated with a plurality of terminal equipment;

generating the terminal identifier based on the first set of equipment-related information;

receiving, from the terminal, an authentication information set comprising a second set of equipment-related information associated with the plurality of terminal equipment;

determining that a similarity between the first set of equipment-related information and the second set of equipment-related information exceeds a predetermined threshold; and

sending the terminal identifier to the terminal.

16. The storage medium of claim 15, wherein determining that a similarity between the first set of equipment-related information and the second set of equipment-related information exceeds a predetermined threshold comprises:

searching through a plurality of mapping relationships between sets of equipment-related information and terminal identifiers for one or more sets of equipment-related information that have similarity exceeding a predetermined threshold with the second set of equipment-related information, wherein each set of equipment-related information is mapped to a respective terminal identifier; and

selecting, from a plurality of terminal identifiers mapped from the one or more sets of equipment-related information, a terminal identifier mapped from a third set of equipment-related information that has similarity exceeding the predetermined threshold with the second set of equipment-related information; and wherein

sending the terminal identifier to the terminal comprises sending the selected terminal identifier to the terminal.

17. The storage medium of claim 15, wherein generating the terminal identifier based on the first set of equipment-related information comprises:

generating a character string based on the first set of equipment-related information;

generating a signature based on the character string and a key of the security server; and

generating the terminal identifier based on the character string and the signature, and

storing data indicating a corresponding relationship between the terminal identifier and the first set of equipment-related information.

18. The storage medium of claim 15, wherein sending the terminal identifier to the terminal comprises:

receiving the second set of equipment-related information from the terminal;

searching for the terminal identifier corresponding to the first set of equipment-related information that matches the second set of equipment-related information from a plurality of mapping relationships between a respective terminal identifier and a respective first set of equipment-related information; and

sending the terminal identifier to the terminal.

19. The storage medium of claim 18, wherein searching for the terminal identifier corresponding to the first set of equipment-related information that matches the second set of equipment-related information comprises:

searching for the terminal identifier corresponding to the first set of equipment-related information for which a similarity to the second set of equipment-related information is greater than a predetermined threshold.

20. The storage medium of claim 15, wherein the method further comprises:

sending the terminal identifier to the terminal at a plurality of predetermined time slots.

21. The storage medium of claim 15, wherein the method further comprises:

receiving the second set of equipment-related information from the terminal;

updating the first set of equipment-related information currently stored with the second set of equipment-related information;

receiving a new second set of equipment-related information;

searching for the terminal identifier corresponding to the updated first set of equipment-related information that matches the new second set of equipment-related information; and

sending the terminal identifier to the terminal.