CLAIMS

1. A message transmission method, applied to a terminal, characterized in that:

include:

displaying a satellite search guide interface, wherein the satellite search guide interface includes a satellite identifier, and a display position of the satellite identifier on the satellite search guide interface is used to indicate a positional relationship between the terminal and a target satellite;

in response to a movement operation on the terminal, updating a display position of the satellite identifier;

after the positional relationship between the terminal and the target satellite after movement satisfies a message transmission condition, sending a first satellite message to the target satellite;

during the process of sending the first satellite message to the target satellite, the terminal displays first prompt information, wherein the first prompt information is used to prompt the user to maintain a hand-holding posture.

2. The method according to claim 1, characterized in that

during the process of the target satellite sending the first satellite message, the terminal further displays one or more of the following information:

satellite signal status;

second prompt information:

satellite identification and aiming areas;

the second prompt information is used to prompt the sending status of the satellite message.

3. The method according to any one of claims 1 to 2, characterized in that:

during the process of the target satellite sending the first satellite message, the terminal displays a sending interface of the first satellite message, where the sending interface includes the first prompt information.

4. The method according to any one of claims 1 to 2, characterized in that:

the first satellite message includes location information of the terminal.

5. The method according to any one of claims 1-2, characterized in that:

the first satellite message is a satellite short message.

6. The method according to claim 5, characterized in that

the terminal includes a short message application program; before displaying the star-finding guidance interface, the method further includes:

in response to a user's operation of creating a new satellite short message or replying to a satellite short message in a short message application, displaying a satellite message editing interface, wherein the satellite message editing interface is used for the user to input the content of the first satellite message;

in response to the user's sending operation of the first satellite message, the satellite search guidance interface is displayed.

7. The method according to claim 6, characterized in that

the short message application includes the functions of ordinary short messages and satellite short messages; the short message application is configured with a satellite message function item, and the satellite message function item is used to trigger the sending or receiving of satellite short messages.

8. The method according to any one of claims 1-2, characterized in that:

the satellite search guidance interface includes a first satellite identifier, a first alignment area, a second satellite identifier and a second alignment area;

the first satellite identifier is used to indicate a positional relationship between the terminal and the target satellite in azimuth, and when the positional relationship between the terminal and the target satellite in azimuth satisfies the message transmission condition, the first satellite identifier is located in the first alignment area;

the second satellite identifier is used to indicate the positional relationship between the terminal and the target satellite in terms of the pitch angle. When the positional relationship between the terminal and the target satellite in terms of the pitch angle meets the message

transmission condition, the second satellite identifier is located in the second alignment area.

9. The method according to any one of claims 1-2, characterized in that:

the satellite search guidance interface displays one or more of the following information:

satellite signal status,

star search prompt information;

the third prompt information;

the satellite search prompt information is used to prompt the user of the direction of the mobile terminal; and the third prompt information is used to indicate that the terminal is searching for satellite signals.

10. The method according to any one of claims 1-2, characterized in that:

the displaying of the satellite search guide interface and in response to a movement operation on the terminal, updating a display position of the satellite identifier specifically include:

displaying a first satellite search guidance interface, wherein the first satellite search guidance interface includes a first satellite identifier and a first alignment area, wherein the first satellite identifier is used to indicate a positional relationship between the terminal and the target satellite in azimuth;

in response to a leftward movement operation or a rightward movement operation on the terminal, updating a display position of the first satellite identifier;

after the first satellite identifier is located in the first alignment area, displaying a second satellite search guidance interface, the second satellite search guidance interface including a second satellite identifier and a second alignment area, the second satellite identifier being used to indicate a positional relationship between the terminal and the target satellite in terms of a pitch angle;

in response to an upward movement operation or a downward movement operation on the terminal, a display position of the second satellite identifier is updated.

11. The method according to claim 10, characterized in that

the second satellite search guidance interface does not include the first satellite identifier and the first alignment area; and/or,

the first satellite search guidance interface does not include the second satellite identifier and the second alignment area.

12. The method according to claim 10, characterized in that

the first satellite search guide interface and/or the second satellite search guide interface displays one or more of the following information:

satellite signal status;

star search prompt information;

the third prompt information;

the satellite search prompt information is used to prompt the user of the direction of the mobile terminal; and the third prompt information is used to indicate that the terminal is searching for satellite signals.

13. The method according to claim 10, characterized in that

when the first satellite identifier is located in the first alignment area, it indicates that the positional relationship between the terminal and the target satellite in azimuth satisfies the message transmission condition;

and/or,

when the second satellite identifier is located in the second alignment area, it indicates that the positional relationship between the terminal and the target satellite in terms of the elevation angle satisfies the message transmission condition.

14. The method according to claim 8, characterized in that

when the display position of the first satellite identifier is outside the first alignment area, the first alignment area is displayed in a first color;

when the display position of the first satellite identifier is within the first alignment area, the first alignment area is displayed in a second color, and the first color is different from the second color.

15. The method according to claim 8, characterized in that

when the display position of the second satellite identifier is outside the second alignment

area, the second alignment area is displayed in a third color;

when the display position of the second satellite identifier is within the second alignment area, the second alignment area is displayed in a fourth color, and the third color is different from the fourth color.

16. The method according to any one of claims 1-2, characterized in that:

the displaying of the star-seeking guidance interface specifically includes:

in response to the user receiving a satellite short message in the short message application, the satellite search guide interface is displayed.

17. The method according to any one of claims 1-2, characterized in that:

the method further comprises:

after the position relationship between the terminal and the target satellite meets the message transmission condition, the terminal receives a second satellite message.

18. The method according to claim 17, comprising:

the terminal receiving the second satellite message specifically includes:

the terminal receives the second satellite message sent by the base station through a short message application; or,

the terminal receives the second satellite message sent by the cloud network through an instant messaging application.

19. The method according to any one of claims 1-2, characterized in that:

before displaying the star-seeking guidance interface, the method further includes:

send a normal message to the base station;

receiving a response message indicating failure in sending the common message;

the displaying of the star-seeking guidance interface specifically includes:

in response to the response message indicating that the ordinary message fails to be sent, the star-seeking guidance interface is displayed.

20. The method according to any one of claims 1-2, characterized in that:

after sending the first satellite message to the target satellite, the method further includes:

receiving a response message indicating failure in sending the first satellite message;

displaying the satellite search guidance interface according to the response message of the failure of sending the first satellite message; or,

receiving a response message indicating failure in sending the first satellite message;

prompt the user whether to change the satellite to send a message.

21. The method according to any one of claims 1-2, characterized in that:

after sending the first satellite message, the method further includes:

if the position change of the terminal after sending the first satellite message is less than a first threshold, the terminal sends a third satellite message to the target satellite, and does not display the satellite search guidance interface.

22. A terminal, characterized in that:

include:

a transceiver, a processor and a memory, wherein the transceiver and the processor are coupled to the memory, and the memory is used to store programs or instructions;

when the programs or instructions are executed by the processor, the terminal executes the method as described in any one of claims 1 to 21.

23. A computer-readable storage medium, characterized in that:

the computer-readable storage medium stores instructions, and when the instructions are executed on a terminal, the terminal executes the method according to any one of claims 1 to 21.

24. A computer program product, characterized in that

the computer program product comprises a computer program code, which, when executed on a computer, causes the computer to perform the method according to any one of claims 1 to 21.