CLAIMS

1. A communication method, wherein a discontinuous reception cycle of the terminal in an inactive state is an extended discontinuous reception cycle, the method is applied to a first access network device side, and the method comprises:

receiving first information, wherein the first information indicates an identity of the terminal, and the identity is used to determine a paging occasion for the terminal;

receiving second information, wherein the second information is used to request access network paging for the terminal; and

performing access network paging for the terminal on the paging occasion.

2. The method according to claim 1, wherein receiving the second information comprises:

receiving an N2 message, wherein the N2 message carries the second information, and the second information comprises an inactive radio network temporary identifier or an identifier that uniquely identifies a UE association over an NG interface within an access network device.

3. The method according to claim 1 or 2, wherein receiving the first information comprises:

receiving a first message, wherein the first message comprises an initial context setup request message, a terminal device context modification request message, a handover request message, or a path switch request acknowledgment message, and the first message carries the first information.

4. The method according to claim 2, wherein the N2 message further carries the first information.

5. The method according to claim 3 or 4, wherein the identity comprises a first identity index value of the terminal and/or a second identity index value of the terminal; wherein

the first identity index value is an identity index value of the terminal in an eDRX cycle, and the second identity index value is an identity index value of the terminal obtained through a hash operation in the eDRX cycle.

6. The method according to claim 5, wherein the first identity index value is used to determine a paging frame for the terminal and/or the paging occasion for the terminal.

7. The method according to claim 6, wherein a length of the first identity index value is 12 bits, or a length of the first identity index value is 16 bits, and the first identity index value is determined by a 5th generation system temporary mobile subscriber identity 5G-S-TMSI.

8. The method according to any one of claims 5 to 7, wherein the second identity index value is used to determine at least one of the following information: a paging hyperframe for the terminal, a frame number corresponding to a start position of a paging time window for the terminal, the paging frame for the terminal, or the paging occasion for the terminal.

9. The method according to claim 8, wherein the second identity index value is 13 most

significant bits of a hashed identifier, and the hashed identifier is a frame check sequence obtained by performing an operation on 32 least significant bits of the 5G-S-TMSI according to a frame check sequence generation method.

10. The method according to claim 3 or 4, wherein the identity comprises 32 least significant bits of a globally unique temporary terminal identifier.

11. The method according to claim 1 or 2, wherein the identity comprises a first-part identity and a second-part identity; and

receiving the first information comprises:

receiving a first message, wherein the first message comprises an initial context setup request message, a terminal device context modification request message, a handover request message, or a path switch request acknowledgment message, and the first message carries the first-part identity; and

receiving an N2 message, wherein the N2 message carries the second-part identity.

12. The method according to claim 11, wherein the first-part identity comprises a first identity index value of the terminal, and the second-part identity comprises a second identity index value of the terminal; wherein

the first identity index value is an identity index value of the terminal in an eDRX cycle, and the second identity index value is an identity index value of the terminal obtained through a hash operation in the eDRX cycle.

13. The method according to any one of claims 1 to 12, wherein the method further comprises:

sending the first information.

14. A communication method, wherein a discontinuous reception cycle of the terminal in an inactive state is an extended discontinuous reception cycle, and the method comprises:

sending first information, wherein the first information indicates an identity of the terminal, and the identity is used to determine a paging occasion for the terminal; and

sending second information, wherein the second information is used to request access network paging for the terminal.

15. The method according to claim 14, wherein sending the second information comprises:

sending an N2 message, wherein the N2 message carries the second information, and the second information comprises an inactive radio network temporary identifier or an identifier that uniquely identifies a UE association over an NG interface within an access network device.

16. The method according to claim 14 or 15, wherein sending the first information comprises:

sending a first message, wherein the first message comprises an initial context setup request message, a terminal device context modification request message, a handover request message, or a path switch request acknowledgment message, and the first message carries the first information.

17. The method according to claim 15, wherein the N2 message further carries the first information.

18. The method according to claim 16 or 17, wherein the identity comprises a first identity index value of the terminal and/or a second identity index value of the terminal; wherein

the first identity index value is an identity index value of the terminal in an eDRX cycle, and the second identity index value is an identity index value of the terminal obtained through a hash operation in the eDRX cycle.

19. The method according to claim 18, wherein the first identity index value is used to determine a paging frame for the terminal and/or the paging occasion for the terminal.

20. The method according to claim 19, wherein a length of the first identity index value is 12 bits, or a length of the first identity index value is 16 bits, and the first identity index value is determined by a 5th generation system temporary mobile subscriber identity 5G-S-TMSI.

21. An apparatus, comprising functional modules configured to implement the method according to any one of claims 1 to 13, or any one of claims 14 to 20.

22. An apparatus, comprising a memory and a processor, wherein

the memory is configured to store program instructions; and

the processor is configured to invoke the program instructions in the memory to perform the method according to any one of claims 1 to 13, any one of claims 14 to 20.

23. A computer program product, comprising computer program code, wherein when the computer program code is run on a computer, the computer is enabled to implement the method according to any one of claims 1 to 13, any one of claims 14 to 20.

24. A computer-readable medium, wherein the computer-readable medium stores program code for execution by a computer, and the program code comprises instructions used to perform the method according to any one of claims 1 to 13, any one of claims 14 to 20.