

What is claimed is:

1. A paging method, comprising:

determining, by a terminal device, a first radio frame;

5 determining, by the terminal device, a paging time interval used for monitoring a paging message according to the first radio frame, wherein the paging time interval comprises the first radio frame; and

monitoring, by the terminal device, the paging message in the paging time interval,

wherein determining, by the terminal device, the paging time interval used for monitoring the paging message according to the first radio frame, comprises:

10 receiving, by the terminal device, first indication information, wherein the first indication information is used for indicating a position of the first radio frame in the paging time interval; and

determining, by the terminal device, the paging time interval according to the position of the first radio frame in the paging time interval.

15 2. The method according to claim 1, wherein the paging time interval is same as a synchronization time interval used for detecting a synchronization signal.

3. The method according to claim 1 or 2, wherein determining, by the terminal device, the first radio frame comprises:

20 determining, by the terminal device, that a system frame number (SFN) of the first radio frame is SFN_1 according to $SFN_1 \bmod T = (T/N) \times (UE-ID \bmod N)$, wherein T is a time length of a discontinuous reception (DRX) cycle, $UE-ID$ is a device identity of the terminal device, and N is a quantity of radio frames that are able to be used for sending the paging message in a DRX cycle of the terminal device.

25 4. The method according to any one of claims 1 to 3, wherein monitoring, by the terminal device, the paging message in the paging time interval comprises:

receiving, by the terminal device, third indication information, wherein the third indication information is used for indicating a third radio frame in the paging time interval; and

monitoring, by the terminal device, the paging message on the third radio frame.

5. A paging method, comprising:

determining, by a network device, a first radio frame and a paging time interval used for sending a paging message;

5 determining, by the network device, a position of the first radio frame in the paging time interval; and

10 sending, by the network device, first indication information to a terminal device, wherein the first indication information is used for indicating the position of the first radio frame in the paging time interval, to enable the terminal device to determine the paging time interval according to the position of the first radio frame in the paging time interval and monitor the paging message in the paging time interval.

6. The method according to claim 5, wherein the paging time interval is same as a synchronization time interval used for detecting a synchronization signal.

7. The method according to claim 5 or 6, wherein determining, by the network device, the first radio frame comprises:

15 determining, by the network device, that a system frame number (SFN) of the first radio frame is SFN_1 according to $SFN_1 \bmod T = (T/N) \times (UE-ID \bmod N)$, wherein T is a time length of a discontinuous reception (DRX) cycle, $UE-ID$ is a device identity of the terminal device, and N is a quantity of radio frames that are able to be used for sending the paging message in a DRX cycle of the terminal device.

20 8. The method according to claim 6 or 7, wherein determining, by the network device, the position of the first radio frame in the paging time interval comprises:

determining, by the network device, a position of the first radio frame in the synchronization time interval; and

25 determining, by the network device, that the position of the first radio frame in the synchronization time interval is the position of the first radio frame in the paging time interval.

9. The method according to any one of claims 5-8, wherein the method further comprises:

sending, by the network device, third indication information to the terminal device, wherein the third indication information is used for indicating a third radio frame in the paging

time interval to enable the terminal device to monitor the paging message on the third radio frame.

10. A paging method, comprising:

determining, by a network device, a second radio frame and a paging time interval used
5 for sending a paging message;

determining, by the network device, a position of the second radio frame in the paging time interval; and

sending, by the network device, second indication information to a terminal device, wherein the second indication information is used for indicating the position of the second radio
10 frame in the paging time interval to enable the terminal device to determine the second radio frame according to a first radio frame, determine the paging time interval according to the position of the second radio frame in the paging time interval, and monitor the paging message in the paging time interval;

wherein the second radio frame and the first radio frame satisfy $SFN_2 = M \times SFN_1$, a system
15 frame number (SFN) of the first radio frame is SFN_1 , an SFN of the second radio frame is SFN_2 , and M is a quantity of radio frames comprised in the paging time interval.

11. The method according to claim 10, wherein the paging time interval is same as a synchronization time interval used for detecting a synchronization signal.

12. The method according to claim 10 or 11, wherein the first radio frame satisfies $SFN_1 \bmod T = (T/N) \times (UE-ID \bmod N)$, and the SFN of the first radio frame is determined as the SFN_1 ,
20 wherein T is a time length of a discontinuous reception (DRX) cycle, UE-ID is a device identity of the terminal device, and N is a quantity of radio frames that are able to be used for sending the paging message in a DRX cycle of the terminal device.

13. A terminal device, configured to execute the method of any one of claims 1-4.

25 14. A network device, configured to execute the method of any one of claims 5-9.

15. A network device for paging, configured to execute the method of any one of claims 10-12.