

CLAIMS

What is claimed is:

1. A discontinuous reception DRX configuration method for sidelink, comprising:

5 determining, by a terminal device, DRX configuration information; and
performing DRX configuration according to the configuration information.

2. The method according to claim 1, wherein the determining, by a terminal device, DRX configuration information comprises:

receiving, by the terminal device, DRX configuration information transmitted
10 by a peer-end device, wherein
the configuration information is determined by the peer-end device.

3. The method according to claim 2, wherein

the terminal device is a sidelink receiving device, and the peer-end device is a
sidelink transmitting device; or

15 the terminal device is a sidelink transmitting device, and the peer-end device is
a sidelink receiving device;

wherein after the performing DRX configuration according to the configuration
information, the method further comprises:

transmitting DRX feedback information to the peer-end device, wherein

20 the DRX feedback information indicates that the DRX configuration succeeds
or indicates that the DRX configuration fails.

4. The method according to claim 1, wherein before the determining, by a
terminal device, DRX configuration information, the method further comprises:

transmitting, by the terminal device, DRX assistance information or a DRX
25 configuration request to a peer-end device; or

transmitting, by the terminal device, DRX assistance information or a DRX
configuration request to a network device;

wherein the DRX assistance information comprises at least one of the following:

DRX cycle and offset;

length of DRX on duration timer;

length of DRX inactivity timer;

length of hybrid automatic repeat request HARQ round trip time RTT timer;

length of retransmission timer;

5 time-domain unit(s) in which the terminal device does not expect DRX to be activated; and

 time-domain unit(s) in which the terminal device expects DRX to be activated.

5. The method according to claim 1, wherein the configuration information is pre-agreed by the terminal device and a peer-end device.

10 6. The method according to claim 1, wherein the determining, by a terminal device, DRX configuration information comprises:

 receiving, by the terminal device, DRX configuration information transmitted by a network device, wherein

 the configuration information is determined by the network device.

15 7. The method according to claim 6, wherein the method further comprises: receiving indication information, wherein

 the indication information is used to indicate a peer-end device targeted by the configuration information; and the network device is further configured to perform DRX configuration for the peer-end device.

20 8. The method according to claim 6, wherein after the performing DRX configuration according to the configuration information, the method further comprises:

 transmitting DRX feedback information to the network device, wherein

 the DRX feedback information indicates that the DRX configuration succeeds

25 or indicates that the DRX configuration fails.

9. A DRX configuration method for sidelink, wherein the method is executed by a network device and comprises:

 transmitting DRX configuration information to a terminal device, wherein the configuration information is used for the terminal device to perform DRX configuration.

30

10. The method according to claim 9, wherein the method further comprises:
transmitting the configuration information to a peer-end device targeted by the configuration information, wherein the configuration information is further used for the peer-end device to perform DRX configuration.

5 11. The method according to claim 10, wherein the method further comprises:
transmitting first indication information to the terminal device, wherein the first indication information is used to indicate the peer-end device; and/or
transmitting second indication information to the peer-end device, wherein the second indication information is used to indicate the terminal device.

10 12. A terminal device, comprising:
a determining module, configured to determine DRX configuration information;
and
a configuration module, configured to perform DRX configuration according to the configuration information.

15 13. The terminal device according to claim 12, wherein the determining module is configured to receive DRX configuration information transmitted by a peer-end device, wherein
the configuration information is determined by the peer-end device.

20 14. The terminal device according to claim 13, wherein
the terminal device is a sidelink receiving device, and the peer-end device is a sidelink transmitting device; or
the terminal device is a sidelink transmitting device, and the peer-end device is a sidelink receiving device;

25 wherein the determining module is further configured to transmit DRX feedback information to the peer-end device, wherein
the DRX feedback information indicates that the DRX configuration succeeds or indicates that the DRX configuration fails.

15. The terminal device according to claim 12, wherein the determining module is further configured to:

transmit DRX assistance information or a DRX configuration request to a peer-end device; or

transmit DRX assistance information or a DRX configuration request to a network device;

5 wherein the DRX assistance information comprises at least one of the following:

DRX cycle and offset;

length of DRX on duration timer;

length of DRX inactivity timer;

length of HARQ RTT timer;

10 length of retransmission timer;

time-domain unit(s) in which the terminal device does not expect DRX to be activated; and

time-domain unit(s) in which the terminal device expects DRX to be activated.

16. The terminal device according to claim 12, wherein the determining module
15 is configured to receive DRX configuration information transmitted by a network device, wherein

the configuration information is determined by the network device.

17. A network device, comprising:

a transmitting module, configured to transmit DRX configuration information
20 to a terminal device, wherein the configuration information is used for the terminal device to perform DRX configuration.

18. A terminal device, comprising: a memory, a processor, and a computer program stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the steps of the DRX
25 configuration method for sidelink according to any one of claims 1 to 8 are implemented.

19. A network device, comprising: a memory, a processor, and a computer program stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the steps of the DRX

configuration method for sidelink according to any one of claims 9 to 11 are implemented.

20. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, the steps of the DRX configuration method for sidelink according to any one of claims 1 to 11 are implemented.