

What is claimed is:

1. A method for determining a time-frequency resource, comprising:

acquiring, by a terminal device, a power-saving related configuration configured by a network side; wherein the power-saving related configuration comprises a discontinuous reception (DRX) configuration; and

determining, by the terminal device, a time-frequency resource for receiving a power-saving channel/signal according to a relationship between the power-saving related configuration or a power-saving related configuration parameter and the time-frequency resource of the power-saving channel/signal,

wherein the power-saving channel/signal comprises a physical downlink control channel (PDCCH), a reference signal or a sequence-based signal, and

wherein the power-saving channel/signal is configured to instruct, prior to a DRX ON duration, the terminal device whether to wake up during the DRX ON duration.

2. The method of claim 1, wherein the method further comprises: acquiring, by the terminal device, the relationship.

3. The method of claim 1, wherein the method further comprises: acquiring, by the terminal device, the time-frequency resource of the power-saving channel/signal.

4. The method of claim 1, wherein the relationship comprises:

a relationship between the time-frequency resource of the power-saving channel/signal and one power-saving related configuration parameter; or

a relationship between the time-frequency resource of the power-saving channel/signal and a combination of at least two power-saving related configuration parameters, wherein the at least two power-saving related configuration parameters comprise at least two parameters belonging to a same power-saving related configuration or at least two parameters belonging to at least two power-saving related configurations.

5. The method of claim 1, wherein the power-saving related configuration comprises a bandwidth part (BWP) configuration, and/or a physical downlink control channel (PDCCH) control resource set (CORSET) configuration, and/or a PDCCH searchSpace configuration

and/or a multiple-input multiple-output (MIMO) configuration, and/or a MIMO layers configuration, and/or an antenna configuration, and/or a channel state information (CSI) report configuration, and/or a radio resource management (RRM) measurement configuration,

5 wherein the power-saving related configuration parameter comprises part of parameters in the DRX configuration, and/or part of parameters in the PDCCH CORSET configuration, and/or part of parameters in the PDCCH searchSpace configuration, and/or part of parameters in the CSI report configuration, and/or part of parameters in the RRM measurement configuration.

6. A method for determining a time-frequency resource, comprising:

10 configuring, by a network side, a power-saving related configuration for a terminal device, wherein the power-saving related configuration comprises a discontinuous reception (DRX) configuration, wherein there is a relationship between the power-saving related configuration or a power-saving related configuration parameter and a time-frequency resource of a power-saving channel/signal, and the power-saving related configuration is for the terminal
15 device to determine a time-frequency resource for receiving the power-saving channel/signal according to the relationship,

wherein the power-saving channel/signal comprises a physical downlink control channel (PDCCH), a reference signal or a sequence-based signal, and

20 wherein the power-saving channel/signal is configured to instruct, prior to a DRX ON duration, the terminal device whether to wake up during the DRX ON duration.

7. The method of claim 6, wherein the method further comprises: configuring, by the network side, the relationship.

8. The method of claim 6, wherein the method further comprises: configuring, by the network side, the time-frequency resource of the power-saving channel/signal.

25 9. The method of claim 6, wherein the relationship comprises:

a relationship between the time-frequency resource of the power-saving channel/signal and one power-saving related configuration parameter; or

a relationship between the time-frequency resource of the power-saving channel/signal

and a combination of at least two power-saving related configuration parameters, wherein the at least two power-saving related configuration parameters comprise at least two parameters belonging to a same power-saving related configuration or at least two parameters belonging to at least two power-saving related configurations.

5 10. The method of claim 6, wherein the power-saving related configuration comprises a bandwidth part (BWP) configuration, and/or a physical downlink control channel (PDCCH) control resource set (CORSET) configuration, and/or a PDCCH searchSpace configuration and/or a multiple-input multiple-output (MIMO) configuration, and/or a MIMO layers configuration, and/or an antenna configuration, and/or a channel state information (CSI) report
10 configuration, and/or a radio resource management (RRM) measurement configuration,

 wherein the power-saving related configuration parameter comprises part of parameters in the DRX configuration, and/or part of parameters in the PDCCH CORSET configuration, and/or part of parameters in the PDCCH searchSpace configuration, and/or part of parameters in the CSI report configuration, and/or part of parameters in the RRM measurement
15 configuration.

 11. A terminal device for determining a time-frequency resource, which comprises an acquisition unit and a determination unit;

 wherein the acquisition unit is configured to acquire a power-saving related configuration configured by a network side, wherein the power-saving related configuration comprises a
20 discontinuous reception (DRX) configuration; and

 the determination unit is configured to determine a time-frequency resource for receiving a power-saving channel/signal according to a relationship between the power-saving related configuration or a power-saving related configuration parameter and the time-frequency resource of the power-saving channel/signal,

25 wherein the power-saving channel/signal comprises a physical downlink control channel (PDCCH), a reference signal or a sequence-based signal, and

 wherein the power-saving channel/signal is configured to instruct, prior to a DRX ON duration, the terminal device whether to wake up during the DRX ON duration.

12. The terminal device of claim 11, wherein the acquisition unit is further configured to acquire the relationship.

13. The terminal device of claim 11, wherein the acquisition unit is further configured to acquire the time-frequency resource of the power-saving channel/signal.

5 14. The terminal device of claim 11, wherein the relationship comprises:

a relationship between the time-frequency resource of the power-saving channel/signal and one power-saving related configuration parameter; or

a relationship between the time-frequency resource of the power-saving channel/signal and a combination of at least two power-saving related configuration parameters, wherein the at
10 least two power-saving related configuration parameters comprise at least two parameters belonging to a same power-saving related configuration or at least two parameters belonging to at least two power-saving related configurations.

15 15. The terminal device of claim 11, wherein the power-saving related configuration comprises a bandwidth part (BWP) configuration, and/or a physical downlink control channel (PDCCH) control resource set (CORSET) configuration, and/or a PDCCH searchSpace configuration and/or a multiple-input multiple-output (MIMO) configuration, and/or a MIMO layers configuration, and/or an antenna configuration, and/or a channel state information (CSI) report configuration, and/or a radio resource management (RRM) measurement configuration,

20 wherein the power-saving related configuration parameter comprises part of parameters in the DRX configuration, and/or part of parameters in the PDCCH CORSET configuration, and/or part of parameters in the PDCCH searchSpace configuration, and/or part of parameters in the CSI report configuration, and/or part of parameters in the RRM measurement configuration.

25 16. A network device for determining a time-frequency resource, which comprises a configuration unit;

wherein the configuration unit is configured to configure a power-saving related configuration for a terminal device, wherein the power-saving related configuration comprises a discontinuous reception (DRX) configuration, wherein there is a relationship between the

power-saving related configuration or a power-saving related configuration parameter and a time-frequency resource of a power-saving channel/signal, and the relationship is used for determining a time-frequency resource for receiving the power-saving channel/signal,

5 wherein the power-saving channel/signal comprises a physical downlink control channel (PDCCH), a reference signal or a sequence-based signal, and

wherein the power-saving channel/signal is configured to instruct, prior to a DRX ON duration, a terminal device whether to wake up during the DRX ON duration.

17. The network device of claim 16, wherein the configuration unit is further configured to configure the relationship.

10 18. The network device of claim 16, wherein the configuration unit is further configured to configure the time-frequency resource of the power-saving channel/signal.

19. The network device of claim 16, wherein the relationship comprises:

a relationship between the time-frequency resource of the power-saving channel/signal and one power-saving related configuration parameter; or

15 a relationship between the time-frequency resource of the power-saving channel/signal and a combination of at least two power-saving related configuration parameters, wherein the at least two power-saving related configuration parameters comprise at least two parameters belonging to a same power-saving related configuration or at least two parameters belonging to at least two power-saving related configurations.

20 20. The network device of claim 16, wherein the power-saving related configuration comprises a bandwidth part (BWP) configuration, and/or a physical downlink control channel (PDCCH) control resource set (CORSET) configuration, and/or a PDCCH searchSpace configuration and/or a multiple-input multiple-output (MIMO) configuration, and/or a MIMO layers configuration, and/or an antenna configuration, and/or a channel state information (CSI)
25 report configuration, and/or a radio resource management (RRM) measurement configuration,

wherein the power-saving related configuration parameter comprises part of parameters in the DRX configuration, and/or part of parameters in the PDCCH CORSET configuration, and/or part of parameters in the PDCCH searchSpace configuration, and/or part of parameters

in the CSI report configuration, and/or part of parameters in the RRM measurement configuration.