

What is claimed is:

1. A method for determining a time-frequency resource, comprising:
acquiring, by a terminal device, a power-saving related configuration; and
determining, by the terminal device, a time-frequency resource for receiving a
5 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.
- 10 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:
15 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
20 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
discontinuous reception (DRX) configuration, and/or a bandwidth part (BWP) configuration,
and/or a physical downlink control channel (PDCCH) control resource set (CORSET)
25 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,

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
5 configuration.

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

configuring, by a network side, a power-saving related 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
10 the relationship is used for determining a time-frequency resource for receiving 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.

7. The method of claim 6, wherein the method further comprises: configuring, by the
15 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.

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

a relationship between the time-frequency resource of the power-saving channel/signal
20 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
25 at least two power-saving related configurations.

10. The method of claim 6, wherein the power-saving related configuration comprises a discontinuous reception (DRX) configuration, and/or 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.

10 11. An apparatus for determining a time-frequency resource, which is applied to a terminal device and comprises an acquisition unit and a determination unit;

 wherein the acquisition unit is configured to acquire a power-saving related configuration;
and

 the determination unit is configured to determine a time-frequency resource for receiving
15 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.

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

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

 14. The apparatus of claim 11, wherein the relationship comprises:
25 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.

15 15. The apparatus of claim 11, wherein the power-saving related configuration comprises a discontinuous reception (DRX) configuration, and/or 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
10 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.

 16. An apparatus for determining a time-frequency resource, which is applied to a network side and comprises a configuration unit;

 wherein the configuration unit is configured to configure a power-saving related configuration, there is a relationship between the power-saving related configuration or a
20 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,

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

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

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

19. The apparatus 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

5 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. The apparatus of claim 16, wherein the power-saving related configuration comprises
10 a discontinuous reception (DRX) configuration, and/or 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
15 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
20 configuration.