

CLAIMS

1. A method for determining transmission resources, wherein the method comprises:

5 determining at least one first resource in a slot, the at least one first resource
being for carrying at least one of grant-free data or semi-persistently scheduled data;

receiving resource information from a network device, wherein the resource
information indicates a slot format of ~~a~~the slot;

determining an available resource among at least one first resource in the slot
according to the resource information; and

10 performing transmission of at least one of the grant-free data or semi-
persistently scheduled data via the available resource with the network device;

2. ~~The method according to claim 1,~~ wherein determining the available resource
among the at least one first resource in the slot according to the resource information
15 comprises:

determining at least one second resource in the slot according to the resource
information, the at least one second resource having a same target feature as a target
feature of the at least one first resource; and

20 determining the available resource among an overlapping resource between the
at least one first resource and the at least one second resource;

wherein determining the available resource among the overlapping resources
between the at least one first resource and the at least one second resource comprises:

25 when a target overlapping resource in at least one overlapping resource between
the at least one first resource and the at least one second resource satisfies a preset
condition, determining the target overlapping resource as the available resource,

30 wherein each of the at least one overlapping resource comprises at least one
time-domain symbol, and wherein the preset condition comprises: determining the
target overlapping resource as the available resource when the quantity of the at least
one time-domain symbol comprised in the target overlapping resource is greater than a
preset value.

3. The method according to claim 1 or 2, wherein determining the available resource among the at least one first resource in the slot according to the resource information comprises:

5 determining at least one second resource in the slot according to the resource information, the at least one second resource including at least one of the at least one first resource; and

 determining at least one of the at least one first resource as the available resource.

10 42. The method according to claim 21, wherein the target feature comprises a transmission direction.

53. The method according to claim 42, wherein the transmission direction is uplink transmission.

15 6. The method according to claim 2 or 4, wherein determining the available resource among the overlapping resources between the at least one first resource and the at least one second resource comprises:

20 when a target overlapping resource in at least one overlapping resource between the at least one first resource and the at least one second resource satisfies a preset condition, determining the target overlapping resource as the available resource.

7. The method according to claim 6, wherein each of the at least one overlapping resource comprises at least one time-domain symbol; and

25 wherein the preset condition comprises: determining the target overlapping resource as the available resource when the quantity of the at least one time-domain symbol comprised in the target overlapping resource is greater than or equal to a preset value.

30 84. The method according to claim 71, wherein the preset value is equal to the quantity of the time-domain symbols comprised in one of the at least one first resource.

9. The method according to claim 3, wherein at least one time-domain symbol in at least one of the at least one first resource is an uplink symbol.

5 10. The method according to claim 1, further comprising: before receiving the resource information from the network device,
receiving a configuration signaling from the network device, the configuration signaling indicating the at least one first resource.

10 5. The method according to claim 1, further comprising: before receiving the resource information from the network device,
receiving a configuration signaling from the network device, the configuration signaling indicating the at least one first resource.

15 11. A terminal device, comprising:
a transceiving unit, configured to receive resource information from a network device, wherein the resource information indicates a slot format of a slot;
a determination unit, configured to determine an available resource among at least one first resource in the slot according to the resource information,
20 wherein the transceiving unit is further configured to perform transmission of at least one of the grant-free data or the semi-persistently scheduled data via the available resource with the network device.

25 12. The terminal device according to claim 11, wherein the determination unit is specifically configured to:
determine at least one second resource in the slot according to the resource information, the at least one second resource having a same target feature as a target feature of the at least one first resource; and
determine the available resource among an overlapping resource between the at
30 least one first resource and the at least one second resource.

wherein the determination unit is specifically configured to:

when a target overlapping resource in at least one overlapping resource between the at least one first resource and the at least one second resource satisfies a preset condition, determine the target overlapping resource as the available resource,

5 wherein each of the at least one overlapping resource comprises at least one time-domain symbol, and wherein the preset condition comprises: determining the target overlapping resource as the available resource when the quantity of the at least one time-domain symbol comprised in the target overlapping resource is greater than a preset value.

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~~13. The terminal device according to claim 11 or 12, wherein the determination unit is specifically configured to:—~~

~~determine at least one second resource in the slot according to the resource information, the at least one second resource including at least one of the at least one first resource; and~~

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~~determine at least one of the at least one first resource as the available resource.~~

~~147. The terminal device according to claim 126, wherein the target feature comprises a transmission direction.~~

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~~158. The terminal device according to claim 147, wherein the transmission direction is uplink transmission.~~

~~16. The terminal device according to claim 12 or 14, wherein the determination unit is specifically configured to:~~

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~~determine a target overlapping resource as the available resource when the target overlapping resource in at least one overlapping resource between the at least one first resource and the at least one second resource satisfies a preset condition.~~

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~~17. The terminal device according to claim 16, wherein each of the at least one~~

~~overlapping resource comprises at least one time domain symbol; and~~

~~wherein the preset condition comprises: determining the target overlapping resource as the available resource when the quantity of the at least one time domain symbol comprised in the target overlapping resource is greater than or equal to a preset value.~~

~~18. The terminal device according to claim 17, wherein the preset value is equal to the quantity of the time domain symbols comprised in one of the at least one first resource.~~

~~19. The terminal device according to claim 13, wherein at least one time domain symbol in at least one of the at least one first resource is an uplink symbol.~~

9. The terminal device of claim 6, wherein the preset value is equal to the quantity of the time-domain symbols comprised in one of the at least one first resource.

10. The terminal device according to claim 6, wherein transceiving unit is further configured to: before receiving the resource information from the network device, receive a configuration signaling from the network device, the configuration signaling indicating the at least one first resource.

11. A network device, comprising:

a transceiving unit, configured to transmit resource information to a terminal device, wherein the resource information indicates a time slot format of a time slot; and

a determination unit, configured to determine an available resource among at least one first resource in the time slot according to the resource information,

wherein the transceiving unit is further configured to perform transmission of at least one of the grant-free data or semi-persistently scheduled data via the available resource with the terminal device,

wherein the determination unit is specifically configured to:

determine at least one second resource in time slot according to the resource

information, the at least one second resource having a same target feature as a target feature of the at least one first resource; and

determine the available resource among an overlapping resource between the at least one first resource and the at least one second resource,

5 wherein the determination unit is specifically configured to: when a target overlapping resource in the at least one overlapping resource between the at least one first resource and the at least one second resource satisfies a preset condition, determine the target overlapping resource as the available resource,

10 wherein each of the at least one overlapping resource comprises at least one time-domain symbol, and the preset condition comprises: determining the target overlapping resource as the available resource when the quantity of the at least one time-domain symbol comprised in the target overlapping resource is greater than a preset value.