

CLAIMS

1. A receiving method, applied to a terminal, wherein the receiving method comprises:
receiving a physical downlink control channel PDCCH in a search space associated with
a control resource set CORESET, wherein

~~the CORESET corresponding to different times occupies different locations in frequency domain; or search spaces in the CORESET corresponding to different times occupy different locations in frequency domain; or characterized in that~~ at least two search spaces in the CORESET occupy different locations in frequency domain,

initial frequency domain offsets of the at least two search spaces are different.

2. The receiving method according to claim 1, wherein

~~if the CORESET corresponding to different times occupies different locations in frequency domain, frequency domain resources occupied by the CORESET corresponding to different times are distributed in different channel monitoring subbands;~~

~~or~~

~~if the search spaces in the CORESET corresponding to different times occupy different locations in frequency domain, frequency domain resources occupied by the search spaces in the CORESET corresponding to different times are distributed in different channel monitoring subbands;~~

~~or~~

~~if the at least two search spaces in the CORESET occupy different locations in frequency domain, frequency domain resources occupied by the at least two search spaces are distributed in different channel monitoring subbands.~~

~~3. The receiving method according to claim 1 or 2, wherein if the CORESET comprises at least two search spaces, initial frequency domain offsets of the at least two search spaces are the same or different.~~

34. The receiving method according to claim ~~31~~, wherein frequency domain offset amplitudes of the at least two search spaces in the CORESET corresponding to different time units are the same or different.

45. The receiving method according to claim 1, wherein a bundle size of a resource element group REG of the CORESET is greater than 6.

56. The receiving method according to claim 45, wherein the bundle size of the resource element group REG of the CORESET is equal to a product of a first value and a second value, the first value is a maximum value in all aggregation level values corresponding to all search

spaces of the PDCCH, and the second value is a quantity of resource element groups REGs comprised in one control channel element CCE.

67. A sending method, applied to a network side device, wherein the sending method comprises:

sending a physical downlink control channel PDCCH in a search space associated with a control resource set CORESET, ~~wherein~~

~~the CORESET corresponding to different times occupies different locations in frequency domain; or search spaces in the CORESET corresponding to different times occupy different locations in frequency domain; or characterized in that~~ at least two search spaces in the CORESET occupy different locations in frequency domain,

initial frequency domain offsets of the at least two search spaces are different.

78. The sending method according to claim 67, wherein

~~if the CORESET corresponding to different times occupies different locations in frequency domain, frequency domain resources occupied by the CORESET corresponding to different times are distributed in different channel monitoring subbands;~~

~~or~~

~~if the search spaces in the CORESET corresponding to different times occupy different locations in frequency domain, frequency domain resources occupied by the search spaces in the CORESET corresponding to different times are distributed in different channel monitoring subbands;~~

~~or~~

~~if the at least two search spaces in the CORESET occupy different locations in frequency domain, frequency domain resources occupied by the at least two search spaces are distributed in different channel monitoring subbands.~~

~~9. The sending method according to claim 7 or 8, wherein if the CORESET comprises at least two search spaces, initial frequency domain offsets of the at least two search spaces are the same or different.~~

840. The sending method according to claim 69, wherein frequency domain offset amplitudes of the at least two search spaces in the CORESET corresponding to different time units are the same or different.

944. The sending method according to claim 67, wherein a bundle size of a resource element group REG of the CORESET is greater than 6.

1042. The sending method according to claim 944, wherein the bundle size of the resource element group REG of the CORESET is equal to a product of a first value and a

second value, the first value is a maximum value in all aggregation level values corresponding to all search spaces of the PDCCH, and the second value is a quantity of resource element groups REGs comprised in one control channel element CCE.

~~13. A sending method, applied to a network side device, wherein the sending method comprises:~~

~~sending a physical downlink control channel PDCCH in a search space associated with a control resource set CORESET, wherein a bundle size of a resource element group REG of the CORESET is greater than 6.~~

~~14. The sending method according to claim 13, wherein the bundle size of the resource element group REG of the CORESET is equal to a product of a first value and a second value, the first value is a maximum value in all aggregation level values corresponding to all search spaces of the PDCCH, and the second value is a quantity of resource element groups REGs comprised in one control channel element CCE.~~

~~15. A receiving method, applied to a terminal, wherein the receiving method comprises:~~

~~receiving a physical downlink control channel PDCCH in a search space associated with a control resource set CORESET, wherein~~

~~a bundle size of a resource element group REG of the CORESET is greater than 6.~~

~~16. The receiving method according to claim 15, wherein the bundle size of the resource element group REG of the CORESET is equal to a product of a first value and a second value, the first value is a maximum value in all aggregation level values corresponding to all search spaces of the PDCCH, and the second value is a quantity of resource element groups REGs comprised in one control channel element CCE.~~

~~17~~11. A terminal, comprising:

a receiving module, configured to receive a physical downlink control channel PDCCH in a search space associated with a CORESET, ~~wherein~~

~~the CORESET corresponding to different times occupies different locations in frequency domain; or search spaces in the CORESET corresponding to different times occupy different locations in frequency domain; or characterized in that~~ at least two search spaces in the CORESET occupy different locations in frequency domain,

initial frequency domain offsets of the at least two search spaces are different.

12. The terminal according to claim 11, wherein

frequency domain resources occupied by the at least two search spaces are distributed in different channel monitoring subbands.

13. The terminal according to claim 11, wherein a bundle size of a resource element group REG of the CORESET is greater than 6.

14. The terminal according to claim 13, wherein the bundle size of the resource element group REG of the CORESET is equal to a product of a first value and a second value, the first value is a maximum value in all aggregation level values corresponding to all search spaces of the PDCCH, and the second value is a quantity of resource element groups REGs comprised in one control channel element CCE.

15. A network side device, comprising:

a sending module, configured to send a physical downlink control channel PDCCH in a search space associated with a CORESET, wherein

the CORESET corresponding to different times occupies different locations in frequency domain; or search spaces in the CORESET corresponding to different times occupy different locations in frequency domain; or characterized in that at least two search spaces in the CORESET occupy different locations in frequency domain,

initial frequency domain offsets of the at least two search spaces are different.

16. The network side device according to claim 15, wherein

frequency domain resources occupied by the at least two search spaces are distributed in different channel monitoring subbands.

19. A network side device, comprising:

a sending module, configured to send a physical downlink control channel PDCCH in a search space associated with a CORESET, where a bundle size of a resource element group REG of the CORESET is greater than 6.

20. A terminal, comprising:

a receiving module, configured to receive a physical downlink control channel PDCCH in a search space associated with a CORESET, wherein

a bundle size of a resource element group REG of the CORESET is greater than 6.