

CLAIMS

What is claimed is:

1. A frequency domain resource determination method, performed by a terminal and comprising:

receiving a resource allocation indication from a network device, wherein the resource allocation indication corresponds to a parameter of a bandwidth part BWP configured for the terminal; and

determining a frequency domain resource indicated by the resource allocation indication in the BWP;

wherein the frequency domain resource comprises an interlace, and the parameter comprises subcarrier spacing and bandwidth; and

in a case that the bandwidth is greater than a first bandwidth value, the resource allocation indication is used to indicate a plurality of listening subbands allocated to the terminal, and to indicate the frequency domain resources allocated to the terminal in the plurality of listening subbands by using one piece of indication content; wherein the first bandwidth value is configured by the network device, or defined in a protocol, or preset in the terminal and the network device.

2. The method according to claim 1, wherein in a case that the subcarrier spacing is a first subcarrier spacing, the resource allocation indication indicates the resource by using a resource indication value RIV; or

in a case that the subcarrier spacing is a second subcarrier spacing, the resource allocation indication indicates the resource in a form of a bitmap, wherein

the first subcarrier spacing is less than the second subcarrier spacing.

3. The method according to claim 1, wherein the frequency domain resource further comprises a resource block RB or a resource block group RBG.

4. The method according to claim 1,

wherein in the case that the bandwidth is greater than the first bandwidth value, the resource allocation indication is used to indicate a plurality of listening subband groups allocated to the terminal, and to indicate the frequency domain resource allocated to the terminal in one listening subband group of the plurality of listening subband groups by using a corresponding one of a plurality of pieces of indication content, and each listening subband group comprises at least one listening subband.

5. A frequency domain resource allocation method, performed by a network device and

comprising:

sending a resource allocation indication to a terminal, wherein the resource allocation indication corresponds to a parameter of a BWP configured for the terminal, and the resource allocation indication is used to indicate a frequency domain resource in the BWP;

wherein the frequency domain resource comprises an interlace, and the parameter comprises subcarrier spacing and bandwidth; and

in a case that the bandwidth is greater than a first bandwidth value, the resource allocation indication is used to indicate a plurality of listening subbands allocated to the terminal, and to indicate the frequency domain resources allocated to the terminal in the plurality of listening subbands by using one piece of indication content; wherein the first bandwidth value is configured by the network device, or defined in a protocol, or preset in the terminal and the network device.

6. The method according to claim 5, wherein in a case that the subcarrier spacing is a first subcarrier spacing, the resource allocation indication indicates the resource by using a RIV; or

in a case that the subcarrier spacing is a second subcarrier spacing, the resource allocation indication indicates the resource in a form of a bitmap, wherein

the first subcarrier spacing is less than the second subcarrier spacing.

7. The method according to claim 5, wherein the frequency domain resource comprises an RB or an RBG.

8. A terminal, comprising:

a receiving module, configured to receive a resource allocation indication from a network device, wherein the resource allocation indication corresponds to a parameter of a BWP configured for the terminal; and

a determining module, configured to determine a frequency domain resource indicated by the resource allocation indication in the BWP;

wherein the frequency domain resource comprises an interlace, and the parameter comprises subcarrier spacing and bandwidth; and

in a case that the bandwidth is greater than a first bandwidth value, the resource allocation indication is used to indicate a plurality of listening subbands allocated to the terminal, and to indicate the frequency domain resources allocated to the terminal in the plurality of listening subbands by using one piece of indication content; wherein the first bandwidth value is configured by the network device, or defined in a protocol, or preset in the terminal and the network device.

9. The terminal according to claim 8, wherein in a case that the subcarrier spacing is a first subcarrier spacing, the resource allocation indication indicates the resource by using a resource

indication value, RIV; or

in a case that the subcarrier spacing is a second subcarrier spacing, the resource allocation indication indicates the resource in a form of a bitmap, wherein

the first subcarrier spacing is less than the second subcarrier spacing.

10. The terminal according to claim 8, wherein the frequency domain resource further comprises a resource block, RB, or a resource block, group, RBG.

11. The terminal according to claim 8, wherein in the case that the bandwidth is greater than the first bandwidth value, the resource allocation indication is used to indicate a plurality of listening subband groups allocated to the terminal, and to indicate the frequency domain resource allocated to the terminal in one listening subband group of the plurality of listening subband groups by using a corresponding one of a plurality of pieces of indication content, and each listening subband group comprises at least one listening subband. 12. A network device, comprising:

a sending module, configured to send a resource allocation indication to a terminal, wherein the resource allocation indication corresponds to a parameter of a BWP configured for the terminal, and the resource allocation indication is used to indicate a frequency domain resource in the BWP;

wherein the frequency domain resource comprises an interlace, and the parameter comprises subcarrier spacing and bandwidth; and

in a case that the bandwidth is greater than a first bandwidth value, the resource allocation indication is used to indicate a plurality of listening subbands allocated to the terminal, and to indicate the frequency domain resources allocated to the terminal in the plurality of listening subbands by using one piece of indication content; wherein the first bandwidth value is configured by the network device, or defined in a protocol, or preset in the terminal and the network device.

13. The network device according to claim 12, wherein in a case that the subcarrier spacing is a first subcarrier spacing, the resource allocation indication indicates the resource by using a resource indication value, RIV; or

in a case that the subcarrier spacing is a second subcarrier spacing, the resource allocation indication indicates the resource in a form of a bitmap, wherein

the first subcarrier spacing is less than the second subcarrier spacing.

14. The network device according to claim 12, wherein the frequency domain resource further comprises a resource block, RB, or a resource block group, RBG.

15. 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 frequency domain resource determination method according to any one of claims 1 to 4 are

implemented, or when the computer program is executed by a processor, the steps of the frequency domain resource allocation method according to any one of claims 5 to 7 are implemented.