

CLAIMS

1. A method for determining resources, comprising:
5 receiving, by a user equipment (UE), a first message over a first cell, wherein the first message is used for determining M first bandwidth parts (BWPs) in a second cell, M is an integer greater than or equal to 1, each of the M first BWPs is smaller than or equal to a bandwidth of the second cell;
10 wherein one or more transmission resources for the UE in the second cell is within at least one of the M first BWPs.
2. The method according to claim 1, wherein the M first BWPs are indicated by the first message, and
15 wherein the method further comprises:
determining, by the UE, the M first BWPs based on the first message.
3. The method according to claim 1, wherein N second BWPs are indicated by the first message, N is an integer greater than M, each of the N second BWPs is smaller than or equal to the bandwidth of the second cell, and
20 wherein the method further comprises:
receiving, by the UE, a second message over the first or second cell, wherein the second message indicates the M first BWPs among the N second BWPs.
4. The method according to claim 3, wherein the second message is conveyed by downlink control information (DCI) or a media access control control element (MAC CE).
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5. The method according to any of claims 1 to 4, wherein the first message is conveyed by RRC signaling or system information (SI).
- 30 6. The method according to any of claims 1 to 5, wherein the first message further contains information about configuration in the first BWPs, wherein the information about configuration in the first BWPs contains at least one of the following:
subcarrier spacing (SCS); bandwidth size; frequency-domain position; time-domain structure; configurations of synchronization signal; broadcast channel; system information; or
35 reference signal.
7. The method according to any of claims 1 to 6, further comprising:
receiving, by the UE, a third message over the first or second cell, wherein the third message indicates the one or more transmission resources for the UE within the first BWPs of
40 the second cell.
8. The method according to claim 7, wherein the third message is conveyed by the DCI or the MAC CE.
- 45 9. The method according to any of claims 1 to 8, wherein the bandwidth of the second cell is a system bandwidth.
10. A method for determining resources, comprising:
transmitting, by a network device, a first message to a user equipment (UE) over a first
50 cell, wherein the first message is used for the UE to determine M first bandwidth parts (BWPs)

in a second cell, M is an integer greater than or equal to 1, each of the M first BWPs is smaller than or equal to a bandwidth of the second cell;

wherein one or more transmission resources for the UE in the second cell is within at least one of the M first BWPs.

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11. The method according to claim 10, wherein the M first BWPs are indicated by the first message.

12. The method according to claim 10, wherein N second BWPs are indicated by the first message, N is an integer greater than M , each of the N second BWPs is smaller than or equal to the bandwidth of the second cell, and

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wherein the method further comprises:

transmitting, by the network device, a second message to the UE over the first or second cell, wherein the second message indicates the M first BWPs among the N second BWPs.

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13. The method according to claim 12, wherein the second message is conveyed by downlink control information (DCI) or a media access control control element (MAC CE).

14. The method according to any of claims 10 to 13, wherein the first message is conveyed by RRC signaling or system information (SI).

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15. The method according to any of claims 10 to 14, wherein the first message further contains information about configuration in the first BWPs, wherein the information about configuration in the first BWPs contains at least one of the following:

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subcarrier spacing (SCS); bandwidth size; frequency-domain position; time-domain structure; configurations of synchronization signal; broadcast channel; system information; or reference signal.

16. The method according to any of claims 10 to 15, further comprising:

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transmitting, by the network device, a third message over the first or second cell, wherein the third message indicates the one or more transmission resources for the UE within the first BWPs of the second cell.

17. The method according to claim 16, wherein the third message is conveyed by the DCI or the MAC CE.

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18. The method according to any of claims 10 to 17, wherein the bandwidth of the second cell is a system bandwidth.

19. A device for determining resources, comprising:

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a first reception unit, configured to receive a first message over a first cell, wherein the first message is used for determining M first bandwidth parts (BWPs) in a second cell, M is an integer greater than or equal to 1, each of the M first BWPs is smaller than or equal to a bandwidth of the second cell;

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wherein one or more transmission resources for the UE in the second cell is within at least one of the M first BWPs.

20. The device according to claim 19, wherein the M first BWPs are indicated by the first message, and

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wherein the device further comprises:

a determination unit, configured to determine the M first BWPs based on the first message.

21. The device according to claim 19, wherein N second BWPs are indicated by the first message, N is an integer greater than M , each of the N second BWPs is smaller than or equal to the bandwidth of the second cell, and
5 wherein the device further comprises:
a second reception unit, configured to receive a second message over the first or second cell, wherein the second message indicates the M first BWPs among the N second
10 BWPs; and
a determination unit, configured to determine the M first BWPs based on the first message and the second message.
22. The device according to claim 21, wherein the second message is conveyed by downlink control information (DCI) or a media access control control element (MAC CE).
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23. The device according to any of claims 19 to 22, wherein the first message is conveyed by RRC signaling or system information (SI).
24. The device according to any of claims 19 to 23, wherein the first message further contains information about configuration in the first BWPs, wherein the information about configuration in the first BWPs contains at least one of the following:
20 subcarrier spacing (SCS); bandwidth size; frequency-domain position; time-domain structure; configurations of synchronization signal; broadcast channel; system information; or reference signal.
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25. The device according to any of claims 19 to 24, further comprising:
a third reception unit, configured to receive a third message over the first or second cell, wherein the third message indicates the one or more transmission resources for the UE within the
30 first BWPs of the second cell.
26. The device according to claim 25, wherein the third message is conveyed by the DCI or the MAC CE.
27. The device according to any of claims 19 to 26, wherein the bandwidth of the second cell is a system bandwidth.
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28. A device for determining resources, comprising:
a first transmission unit, configured to transmit a first message to a user equipment (UE)
40 over a first cell, wherein the first message is used for the UE to determine M first bandwidth parts (BWPs) in a second cell, M is an integer greater than or equal to 1, each of the M first BWPs is smaller than or equal to a bandwidth of the second cell;
wherein one or more transmission resources for the UE in the second cell is within at least one of the M first BWPs.
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29. The device according to claim 28, wherein the M first BWPs are indicated by the first message.
30. The device according to claim 28, wherein N second BWPs are indicated by the first message, N is an integer greater than M , each of the N second BWPs is smaller than or equal to the bandwidth of the second cell, and
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wherein the device further comprises:

a second transmission unit, configured to transmit a second message to the UE over the first or second cell, wherein the second message indicates the M first BWPs among the N second BWPs.

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31. The device according to claim 30, wherein the second message is conveyed by downlink control information (DCI) or a media access control control element (MAC CE).

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32. The device according to any of claims 28 to 31, wherein the first message is conveyed by RRC signaling or system information (SI).

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33. The device according to any of claims 28 to 32, wherein the first message further contains information about configuration in the first BWPs, wherein the information about configuration in the first BWPs contains at least one of the following:

subcarrier spacing (SCS); bandwidth size; frequency-domain position; time-domain structure; configurations of synchronization signal; broadcast channel; system information; or reference signal.

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34. The device according to any of claims 28 to 33, further comprising:

a third transmission unit, configured to transmit a third message to the UE over the first or second cell, wherein the third message indicates the one or more transmission resources for the UE within the first BWPs of the second cell.

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35. The device according to claim 34, wherein the third message is conveyed by the DCI or the MAC CE.

36. The device according to any of claims 28 to 35, wherein the bandwidth of the second cell is a system bandwidth.

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37. A computer-readable storage medium, storing computer executable instructions, which, when executed by a processor, cause the processor to implement the method according to any of claims 1 to 9 or the method according to any of claims 10 to 18.