

WHAT IS CLAIMED IS:

CLAIMS

1. A method for configuring resource carried out in a user equipment (UE), comprising:
receiving first information from a network-side, wherein the first information indicates to the UE
5 configurations of at least one bandwidth part, and
activating at least portion of at least one configured bandwidth part, or activating at least portion of the
at least one configured bandwidth part through the network-side.
2. The method of claim 1, wherein the activating at least portion of at least one configured bandwidth part
10 comprises:
activating at a time, at least portion of at least one configured bandwidth part following a time-domain
structure.
3. The method of claim 2, further comprising:
15 receiving a fourth information from the network-side, wherein the fourth information indicates to the
UE the time-domain structure.
4. The method of claim 1, wherein the configuration of the at least one bandwidth part comprises at least
one of subscriber spacing, bandwidth part size, position of bandwidth part in frequency-domain, time-domain
20 duration, and information on configuration of at least one signal.
5. The method of claim 2, wherein the activating at a time, at least portion of at least one configured
bandwidth part following a time-domain structure comprises:
determining a first bandwidth part of the at least one configured bandwidth part as the bandwidth part to
25 be active and time duration corresponding to the bandwidth part to be active;
when the time duration has elapsed, turning the active bandwidth part to a second bandwidth part of the
at least one configured bandwidth part.
6. The method of claim 5, wherein the time duration for the bandwidth part to be active is configured in
30 unit of slot or mini-slot or symbol or ms.
7. The method of claim 1 or 4, wherein activating at least portion of the at least one configured bandwidth
part through the network-side comprises:
receiving second information from the network-side, wherein the second information indicates to the
35 UE that at least one bandwidth part to be used is selected from the at least one bandwidth part sent via
the first information;
determining the bandwidth part to be used, which is selected from the candidate bandwidth part by the
network-side, according to the second information.
- 40 8. The method of claim 7, wherein the receiving second information from the network-side comprises:
receiving the second information from the network-side via Downlink control information (DCI).
9. The method of any one of claims 1-8, wherein the receiving first information from a network-side
45 comprises:
receiving the first information from the network-side via Radio Resource Control (RRC) signaling.

10. The method of any one of claims 1-8, further comprising:
receiving third information from the network-side, wherein the third information indicates resource allocation within the bandwidth part.
- 5 11. The method of claim 10, wherein the receiving third information from the network-side comprises:
receiving the third information from the network-side via DCI.
12. A method for configuring resource carried out in a network device, comprising:
sending first information to a user equipment (UE), wherein the first information indicates to the UE
10 configuration of at least one bandwidth part such that the UE activates at least a portion of the at least one configured bandwidth part or such that the UE activates at least a portion of the at least one configured bandwidth part through the network device.
13. The method of claim 12, wherein the sending first information to a UE comprises:
15 sending the first information to the UE during at least part of at least one time period.
14. The method of claim 12, wherein the configuration of the at least one bandwidth part comprises at least one of subscriber spacing, bandwidth part size, position of bandwidth part in frequency-domain, time-domain duration, and information on configuration of at least one signal.
- 20 15. The method of any one of claims 12-14, further comprising:
sending a second information to the UE, wherein the second information indicates to the UE that at least one bandwidth part to be used is selected from the at least one bandwidth part sent via the first information.
- 25 16. The method of claim 15, wherein the sending the second information to the UE comprises:
sending the second information to the UE during at least part of at least one time period.
17. The method of any one of claims 12-16, wherein the sending first information to the UE comprises:
30 sending the first information to the UE via Radio Resource Control (RRC) signaling.
18. The method of claim 15, wherein the sending the second information to the UE comprises:
sending the second information to the UE via Downlink control information (DCI).
- 35 19. The method of any one of claims 12-18, further comprising:
sending third information to the UE, wherein the third information indicates resource allocation within the bandwidth part.
20. The method of claim 19, wherein the sending third information to the UE comprises:
40 sending third information to the UE via DCI.
21. The method of claim 12, further comprising:
sending a fourth information to the UE, wherein the fourth information indicates a time-domain structure to the UE.
- 45 22. A user equipment (UE), comprising:

a first communication unit configured to receive first information from a network-side, wherein the first information indicates to the UE configurations of at least one bandwidth part, and
a first processing unit configured to activate at least portion of at least one configured bandwidth part, or activate at least portion of the at least one configured bandwidth part through the network-side.

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23. The UE of claim 22, wherein the first communication unit is configured to activate at a time, at least portion of at least one configured bandwidth part following a time-domain structure.

24. The UE of claim 23, wherein the first communication unit is configured to receive a fourth information from the network-side, the fourth information indicating the time-domain structure to the UE.

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25. The UE of claim 22, wherein the configuration of the at least one bandwidth part comprises at least one of subscriber spacing, bandwidth part size, position of bandwidth part in frequency-domain, time-domain duration, and information on configuration of at least one signal.

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26. The UE of claim 23, wherein the first processing unit is configured to determine a first bandwidth part of the at least one configured bandwidth part as the bandwidth part to be active and time duration corresponding to the bandwidth part to be active; and when the time duration has elapsed, to turn the active bandwidth part to a second bandwidth part of the at least one configured bandwidth part.

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27. The UE of claim 26, wherein the time duration for the bandwidth part to be active is configured in unit of slot or mini-slot or symbol or ms.

28. The UE of claim 22 or 25, wherein

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the first communication unit is configured to receiving second information from the network-side, wherein the second information indicates to the UE that at least one bandwidth part to be used is selected from the at least one bandwidth part sent via the first information;
the first processing unit is configured to determine the bandwidth part to be used, which is selected from the candidate bandwidth part by the network-side, according to the second information.

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29. The UE of claim 28, wherein the first communication unit is configured to receive the second information from the network-side via Downlink control information (DCI).

30. The UE of any one of claims 22-29, wherein the first communication unit is configured to receive the first information from the network-side via Radio Resource Control (RRC) signaling.

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31. The UE of any one of claims 22-29, the first communication unit is configured to receive third information from the network-side, wherein the third information indicates resource allocation within the bandwidth part.

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32. The UE of claim 31, wherein the first communication unit is configured to receive the third information from the network-side via DCI.

33. A network device, comprising:

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a second communication unit configured to send first information to a user equipment (UE), wherein the first information indicates to the UE configuration of at least one bandwidth part such that the UE

activates at least a portion of the at least one configured bandwidth part or such that the UE activates at least a portion of the at least one configured bandwidth part through the network device.

5 34. The network device of claim 33, wherein the second communication unit is configured to send the first information to the UE during at least part of at least one time period.

35. The network device of claim 33, wherein the configuration of the at least one bandwidth part comprises at least one of subscriber spacing, bandwidth part size, position of bandwidth part in frequency-domain, time-domain duration, and information on configuration of at least one signal.

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36. The network device of any one of claims 33-35, wherein the second communication unit is configured to send a second information to the UE, wherein the second information indicates to the UE that at least one bandwidth part to be used is selected from the at least one bandwidth part sent via the first information.

15 37. The network device of claim 36, wherein the second communication unit is configured to send the second information to the UE during at least part of at least one time period.

38. The network device of any one of claims 33-37, wherein the second communication unit is configured to send the first information to the UE via Radio Resource Control (RRC) signaling.

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39. The network device of claim 36, wherein the second communication unit is configured to send the second information to the UE via Downlink control information (DCI).

40. The network device of any one of claims 33-39, wherein the second communication unit is configured to send third information to the UE, wherein the third information indicates resource allocation within the bandwidth part.

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41. The network device of claim 40, wherein the second communication unit is configured to send third information to the UE via DCI.

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42. The network device of claim 33, wherein the second communication unit is configured to send a fourth information to the UE, the fourth information indicating a time-domain structure to the UE.

43. A user equipment (UE), comprising: a processor and a memory having stored thereon a computer program executable on the processor, wherein

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the processor is configured to perform the method according to any one of claims 1-11 when the processor executes the computer program.

44. A network device comprising: a processor and a memory having stored thereon a computer program executable on the processor, wherein

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the processor is configured to perform the method according to any one of claims 12-21 when the processor executes the computer program.

45. A computer storage medium having store thereon computer-executable instructions, that when being executed, perform the method of any one of claims 1-21.

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