

CLAIMS

What is claimed is:

1. A communication method, performed by a terminal device or a module in a terminal device, wherein the method comprises:

5 determining N opportunities, wherein the N opportunities are within a first time range, and N is a positive integer greater than or equal to 2;

if there are one or more opportunities which will not be used for data transmission in the N opportunities, deactivating the one or more opportunities; and

10 sending data within two or more of the N opportunities.

2. The method according to claim 1, wherein the method further comprises:

receiving first information, wherein the first information indicates a length of the first time range.

15 3. The method according to claim 1 or 2, wherein

a determining condition for the terminal device to deactivate the one or more opportunities is agreed upon by a network device and the terminal device in advance.

4. The method according to any one of claims 1 to 3, wherein

20 an interval between any two adjacent opportunities in the N opportunities is T1 time units, and T1 is 0 or a positive number.

5. The method according to any one of claims 1 to 4, wherein

25 the N opportunities include both an opportunity for downlink transmission and an opportunity for uplink transmission.

6. The method according to any one of claims 1 to 5, wherein

each opportunity in the two or more of the N opportunities is used to transmit different Transport Blocks, TBs.

30 7. The method according to any one of claims 1 to 6, wherein the method further comprises:

receiving second information, wherein the second information indicates the N opportunities; and

the determining N opportunities comprises:

determining the N opportunities based on the second information.

8. The method according to any one of claims 1 to 7, wherein

5 feedback information corresponding to two or more TBs transmitted within the two or more of the N opportunities is reported by using different Hybrid Automatic Repeat Request (HARQ) process numbers; or

feedback information corresponding to two or more TBs transmitted within the two or more of the N opportunities is reported by using one HARQ process number.

10 9. A communication method, performed by a network device or a module in a network device, wherein the method comprises:

determining N opportunities, wherein the N opportunities are within a first time range, and N is a positive integer greater than or equal to 2; and

15 receiving data within two or more of the N opportunities, wherein if there are one or more opportunities which will not be used for data transmission in the N opportunities, the one or more opportunities are deactivated by a terminal device.

10. The method according to claim 9, wherein the method further comprises:

20 sending first information, wherein the first information indicates a length of the first time range.

11. The method according to claim 9 or 10, wherein

25 a determining condition for the terminal device to deactivate the one or more opportunities is agreed upon by the network device and the terminal device in advance.

12. The method according to any one of claims 9 to 11, wherein

an interval between any two adjacent opportunities in the N opportunities is T1 time units, and T1 is 0 or a positive number.

30 13. The method according to any one of claims 9 to 12, wherein

the N opportunities include both an opportunity for downlink transmission and an opportunity for uplink transmission.

14. The method according to any one of claims 9 to 13, wherein

35 each opportunity in the two or more of the N opportunities is used to transmit different

Transport Blocks, TBs.

15. The method according to any one of claims 9 to 14, wherein the method further comprises:
sending second information, wherein the second information indicates the N opportunities;

5 and

the determining N opportunities comprises:
determining the N opportunities based on the second information.

16. The method according to claim 8, wherein

10 feedback information corresponding to two or more TBs transmitted within the two or more
of the N opportunities is reported by using different Hybrid Automatic Repeat Request (HARQ)
process numbers; or

feedback information corresponding to two or more TBs transmitted within the two or more
of the N opportunities is reported by using one HARQ process number.

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17. The method according to any of the claims 1 to 16, wherein each opportunity in the two
or more of the N opportunities is configured grant, CG, opportunity.

20 18. A communication apparatus, configured to implement the method steps as claimed in any
one of claims 1 to 8 and 17.

19. A communication apparatus, configured to implement the method steps as claimed in any
one of claims 9 to 17.

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20. A communication apparatus, comprising a processor and a communication interface,
wherein the communication interface is configured to: receive a signal from a communication
apparatus other than the communication apparatus and transmit the signal to the processor, or send
a signal from the processor to a communication apparatus other than the communication apparatus;
30 and the processor is configured to implement, by using a logic circuit or executing code
instructions, the method according to any one of claims 1 to 8 and 17, or 9 to 17.

21. A computer-readable storage medium, wherein the computer-readable storage medium
stores a computer program, and when the computer program is run, the method according to any
35 one of claims 1 to 8 and 17, or 9 to 17 is implemented.

22. A computer program product, wherein the computer program product comprises computer program code, and when the computer program code is run, the method according to any one of claims 1 to 8 and 17, or 9 to 17 is implemented.