

CLAIMS

1. A method for data retransmission control, comprising:

5 receiving, by a terminal, first downlink data, wherein the first downlink data comprises P Code Block Groups (CBGs) in N CBGs of a preset transport block, P and N are positive integers, and P is less than or equal to N;

acquiring, by the terminal, P-bit feedback information through decoding the P CBGs, wherein each bit of the feedback information indicates whether the respective CBG is needed to be retransmitted; and

10 sending, by the terminal, information for notifying a network-side device to retransmit M CBGs, wherein the M CBGs comprise the CBGs needed to be retransmitted in the N CBGs, M is a positive integer, and M is less than or equal to N.

2. The method of claim 1, after sending, by the terminal, the information, further comprising:

15 receiving, by the terminal, the M CBGs.

3. The method of claim 1 or 2, wherein the CBGs needed to be retransmitted in the N CBGs comprise at least one of the following:

20 the CBGs indicated by the P-bit feedback information as being needed to be retransmitted; or

the CBGs in the N CBGs other than the P CBGs.

4. The method of any one of claims 1-3, wherein sending, by the terminal, the information comprises:

25 sending, by the terminal, third information, wherein the third information comprises N-bit feedback information, wherein a bitmap correspondence relationship of the N-bit feedback information is the same as a sequence of the N CBGs of the preset transport block, the feedback information at bit positions corresponding to the P CBGs in the N-bit feedback information is the acquired P-bit feedback information, the feedback information in the N-bit feedback information other than the P-bit feedback information is second preset information, and the third information is used for notifying the network-side device to retransmit the CBGs indicated by the

acquired P-bit feedback information as being needed to be retransmitted.

5. The method of claim 4, wherein the second preset information is acknowledgement, ACK.

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6. The method of any one of claims 1-3, wherein receiving, by the terminal, the M CBGs comprises:

receiving, by the terminal, fourth downlink data, wherein the fourth downlink data comprises the CBGs indicated by the P-bit feedback information as being needed to be retransmitted.

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7. A terminal, comprising a processing unit and a communication unit, wherein the processing unit is configured to receive, through the communication unit, first downlink data, wherein the first downlink data comprises P Code Block Groups (CBGs) in N CBGs of a preset transport block, P and N are positive integers, and P is less than or equal to N;

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the processing unit is further configured to acquire P-bit feedback information through decoding the P CBGs, wherein each bit of the feedback information indicates whether the corresponding CBG is needed to be retransmitted; and

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the processing unit is further configured to send, through the communication unit, information for notifying a network-side device to retransmit M CBGs, wherein the M CBGs comprise the CBGs needed to be retransmitted in the N CBGs, M is a positive integer and M is less than or equal to N.

8. The terminal of claim 7, wherein after sending the information, the processing unit is further configured to receive, through the communication unit, the M CBGs.

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9. The terminal of claim 7 or 8, wherein the CBGs needed to be retransmitted in the N CBGs comprise at least one of the following:

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the CBGs indicated by the P-bit feedback information as being needed to be retransmitted; or

the CBGs in the N CBGs other than the P CBGs.

10. The terminal of any of claims 7 to 9, wherein the processing unit is configured to send, through the communication unit, first information, wherein the first information comprises (P+1)-bit feedback information, wherein a first preset bit of the feedback information in the (P+1)-bit feedback information is a first preset numerical value, the
5 feedback information in the (P+1)-bit feedback information other than the first preset numerical value is first preset information, and the first information is used for notifying the network-side device to retransmit the N CBGs; and

wherein the processing unit is configured to receive, through the communication unit, second downlink data, wherein the second downlink data
10 comprises the N CBGs.

11. The terminal of any of claims 7 to 9, wherein the processing unit is configured to send, through the communication unit, second information, wherein the second information comprises (P+1)-bit feedback information, wherein a second preset bit of
15 the feedback information in the (P+1)-bit feedback information is a second preset numerical value, the P-bit feedback information in the (P+1)-bit feedback information other than the preset bit is the acquired P-bit feedback information, and the second information is used for notifying the network-side device to retransmit the CBGs indicated by the P-bit feedback information as being needed to be retransmitted; and

20 wherein the processing unit is configured to receive, through the communication unit, third downlink data, wherein the third downlink data comprises the CBGs indicated by the P-bit feedback information as being needed to be retransmitted.

25 12. The terminal of any one of claims 7 to 9, wherein the processing unit is configured to send, through the communication unit, third information, wherein the third information comprises N-bit feedback information, wherein a bitmap correspondence relationship of the N-bit feedback information is the same as a sequence of the N CBGs of the preset transport block, the feedback information at bit
30 positions corresponding to the P CBGs in the N-bit feedback information is the acquired P-bit feedback information, the feedback information in the N-bit feedback information other than the P-bit feedback information is second preset information,

and the third information is used for notifying the network-side device to retransmit the CBGs indicated by the acquired P-bit feedback information as being needed to be retransmitted.

5 13. The terminal of claim 12, wherein the second preset information is acknowledgement, ACK.

14. The terminal of any of claims 7 to 9, wherein the processing unit is configured to receive, through the communication unit, fourth downlink data, wherein the fourth
10 downlink data comprises the CBGs indicated by the P-bit feedback information as being needed to be retransmitted.

15. The terminal of any of claims 7 to 9, wherein the processing unit is configured to send, through the communication unit, fourth information, wherein the fourth
15 information comprises N-bit feedback information, a bitmap correspondence relationship of the N-bit feedback information is the same as a sequence of the N CBGs of the preset transport block, the feedback information at bit positions corresponding to the P CBGs in the N-bit feedback information is the acquired P-bit feedback information, the feedback information in the N-bit feedback information
20 other than the P-bit feedback information is third preset information, and the fourth information is used for notifying the network-side device to retransmit at least one of the following: the CBGs indicated by the P-bit feedback information as being needed to be retransmitted, or the CBGs corresponding to bits where the third preset information is located in the N-bit feedback information; and

25 wherein the processing unit is configured to receive, through the communication unit, fifth downlink data, wherein the fifth downlink data comprises at least one of the following: the CBGs indicated by the P-bit feedback information as being needed to be retransmitted, or the CBGs corresponding to the bits where the third preset information is located in the N-bit feedback information.

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16. A network-side device, comprising a processing unit and a communication unit, wherein

the processing unit is configured to send, through the communication unit, first downlink data, wherein the first downlink data comprises P Code Block Groups (CBGs) in N CBGs of a preset transport block, P and N are positive integers and P is less than or equal to N; and

5 the processing unit is further configured to receive, through the communication unit, information for notifying the network-side device to retransmit M CBGs, wherein the M CBGs comprise the CBGs needed to be retransmitted in the N CBGs, M is a positive integer and M is less than or equal to N.

10 17. The network-side device of claim 16, wherein the CBGs needed to be retransmitted in the N CBGs comprise at least one of the following:

the CBGs indicated by the P-bit feedback information as being needed to be retransmitted; or

the CBGs in the N CBGs other than the P CBGs.

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18. The network-side device of claim 16 or 17, wherein the processing unit is configured to receive, through the communication unit, third information, wherein the third information comprises N-bit feedback information, a bitmap correspondence relationship of the N-bit feedback information is the same as a sequence of the N
20 CBGs of the preset transport block, the feedback information at bit positions corresponding to the P CBGs in the N-bit feedback information is the acquired P-bit feedback information, and the feedback information in the N-bit feedback information other than the P-bit feedback information is second preset information.

25 19. The network-side device of claim 19, wherein the second preset information is acknowledgement, ACK.

20. The network-side device of claim 16 or 17, wherein the processing unit is further configured to send, through the communication unit, fourth downlink data, wherein
30 the fourth downlink data comprises the CBGs indicated by the acquired P-bit feedback information as being needed to be retransmitted.