WHAT IS CLAIMED IS:

1. A method for sending configured grant-downlink feedback information (CG-DFI), performed by a network device, comprising:

determining a composition manner of CG-DFI, wherein a maximum uplink hybrid automatic repeat request (HARQ) process number corresponding to the composition manner is greater than 16; and

sending, to a user equipment, a CG-DFI conforming to the composition manner;

wherein, the composition manner corresponds to a first manner, in which a number of hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI is equal to the maximum uplink HARQ process number.

2. The method according to claim 1, wherein determining the composition manner of CG-DFI comprises:

sending a wireless link layer signaling to the user equipment, wherein the wireless link layer signaling comprises first indication information configured to indicate the composition manner of CG-DFI.

3. The method according to claim 1, wherein determining the composition manner of CG-DFI comprises:

determining the composition manner of CG-DFI agreed in a protocol.

4. The method according to claim 1, wherein the composition manner corresponds to a second manner, in which a number of hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI is greater than the maximum uplink HARQ process number.

5. The method according to claim 1, wherein the composition manner corresponds to a third manner, in which a number of hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI is less than the maximum uplink HARQ process number, each hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI corresponds to one logical value, and the logical value corresponds to a result of a logical operation of HARQ-ACK information of more than one uplink HARQ process.

6. The method according to claim 1, wherein the composition manner corresponds to a fourth manner, in which a number of hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI is less than the maximum uplink HARQ process number, each hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI corresponds to one logical value, and each logical value corresponds to a result of a logical operation of HARQ-ACK information for N uplink HARQ processes, where N is a ratio of the maximum uplink HARQ process number to 16, and is an integer greater than 0.

7. The method according to claim 5 or 6, wherein the logical operation is a logic AND

operation.

8. The method according to claim 1, wherein

the composition manner corresponds to a fifth manner, in which all HARQ-ACK information comprised in the CG-DFI corresponds to a portion of uplink HARQ processes among all the uplink HARQ processes with the maximum uplink HARQ process number, and the portion of uplink HARQ processes are uplink HARQ processes with continuous identifiers.

9. The method according to claim 8, wherein

in the fifth manner, the CG-DFI comprises an information field configured to indicate a minimum identifier among identifiers of the uplink HARQ processes corresponding to all HARQ-ACK information comprised in the CG-DFI.

10. The method according to claim 8, further comprising:

sending a wireless link layer signaling to a user equipment, wherein the wireless link layer signaling comprises second indication information, and the second indication information is configured to indicate that the CG-DFI does not comprise an information field configured to indicate a minimum identifier among identifiers of the uplink HARQ processes corresponding to all HARQ-ACK information comprised in the CG-DFI;

wherein all HARQ-ACK information comprised the CG-DFI corresponds to continuous uplink HARQ processes starting from an uplink HARQ process with the minimum identifier among all uplink HARQ processes with the maximum uplink HARQ process number.

11. The method according to claim 8 or 9, further comprising:

sending a wireless link layer signaling to a user equipment, wherein the wireless link layer signaling comprises a number of uplink HARQ processes corresponding to all HARQ-ACK information comprised in the CG-DFI.

12. A method for receiving configured grant-downlink feedback information (CG-DFI), performed by a user equipment, comprising:

receiving, from a network device, a CG-DFI conforming to a composition manner, wherein a maximum uplink hybrid automatic repeat request (HARQ) process number corresponding to the composition manner is greater than 16;

wherein, the composition manner corresponds to a first manner, in which a number of hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI is equal to the maximum uplink HARQ process number.

13. The method according to claim 12, further comprising:

receiving a wireless link layer signaling from the network device, wherein the wireless link layer signaling comprises indication information configured to indicate the composition manner of CG-DFI.

14. The method according to claim 12, wherein the composition manner is a composition manner of CG-DFI agreed in a protocol.

15. The method according to claim 13, wherein the composition manner corresponds to one of:

a second manner, in which a number of hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI is greater than the maximum uplink HARQ process number; or

a third manner, in which a number of hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI is less than the maximum uplink HARQ process number, each hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI corresponds to one logical value, and the logical value corresponds to a result of a logical operation of HARQ-ACK information of more than one uplink HARQ process; or

a fourth manner, in which a number of hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI is less than the maximum uplink HARQ process number, each hybrid automatic repeat request feedback (HARQ-ACK) information comprised in the CG-DFI corresponds to one logical value, and each logical value corresponds to a result of a logical operation of HARQ-ACK information for N uplink HARQ processes, where N is a ratio of the maximum uplink HARQ process number to 16, and is an integer greater than 0; or

a fifth manner, in which all HARQ-ACK information comprised in the CG-DFI corresponds to a portion of uplink HARQ processes among all the uplink HARQ processes with the maximum uplink HARQ process number, and the portion of uplink HARQ processes are uplink HARQ processes with continuous identifiers.

16. The method according to claim 15, wherein in the fifth manner, the CG-DFI includes an information field configured to indicate a minimum identifier among identifiers of the uplink HARQ processes corresponding to all HARQ-ACK information comprised in the CG-DFI.

17. The method according to claim 15, further comprising:

receiving a wireless link layer signaling from a network device, wherein the wireless link layer signaling comprises second indication information, and the second indication information is configured to indicate that the CG-DFI does not comprise an information field configured to indicate a minimum identifier among identifiers of the uplink HARQ processes corresponding to all HARQ-ACK information comprised in the CG-DFI;

wherein all HARQ-ACK information comprised the CG-DFI corresponds to continuous uplink HARQ processes starting from an uplink HARQ process with the minimum identifier among all uplink HARQ processes with the maximum uplink HARQ process number.

18. A communication device, comprising:

a processor; and

a memory storing a computer program executable by the processor;

wherein the processor is configured to execute the computer program to implement the method according to any one of claims 1 to 17.

19. A memory storage means wherein are recorded instructions that upon being executed by a computer carry out the method described in any one of claims 1 to 17.