

CLAIMS

1. An indication method, applied to a terminal device and comprising:
 - receiving first signaling from a network-side device; wherein the first signaling is downlink control information (DCI) or an uplink grant; wherein the first signaling is used to indicate activating at least one grant, or deactivating at least one grant; wherein the first signaling carries an identifier of the at least one grant and a HARQ process identifier for the at least one grant; wherein the at least one grant is a sidelink grant;
 - sending first information to a network-side device; wherein
 - the first information carries a bitmap, each bit of the bitmap corresponds to a target status of one grant, and the target status comprises at least one of the following states: a deactivated state or an activated state.
2. The method according to claim 1, wherein
 - the first signaling is further used to indicate one of the following:
 - activating a first grant and deactivating a second grant, wherein the first grant and the second grant are different grants.
3. The method according to claim 2, wherein a resource for sending the first information comprises one of the following:
 - a first resource that is determined based on a reception time of the first signaling;
 - or
 - a resource, indicated by the first signaling, for the first information;
 - wherein the first resource comprises one of the following:
 - a resource with a difference from the reception time being greater than or equal to first duration in time domain;
 - a resource, with a minimum difference from the reception time in time domain, in resources configured for the terminal device; or
 - a resource, with a maximum difference from the reception time in time domain or a difference being equal to second duration, in the resources configured for the terminal device.

4. The method according to claim 2, wherein the first information is confirmation information.

5. The method according to claim 2, wherein the first signaling further carries at least one of the following:

- a parameter having a correspondence relationship with the identifier of the at least one grant;

- a parameter having a correspondence relationship with the HARQ process identifier for the at least one grant; or

- a bitmap, wherein different bits in the bitmap are used to indicate activating or deactivating different grants in the at least one grant.

6. The method according to claim 2, wherein a resource for the first signaling has a correspondence relationship with at least one of the following:

- an identifier of the at least one grant;

- a HARQ process identifier for the at least one grant; or

- the target status of the at least one grant.

7. The method according to claim 1, further comprising:

receiving second signaling from the network-side device after sending the first information to the network-side device; wherein

- the second signaling is used to indicate one of the following:

- activating part or all of the at least one grant;

- deactivating part or all of the at least one grant; or

- activating a third grant and deactivating a fourth grant, wherein the third grant and the fourth grant are different grants;

8. The method according to claim 1, wherein the first information is sent by using one of the following:

- a hybrid automatic repeat request acknowledgment (HARQ ACK);

- an uplink scheduling request (SR);

- a media access control control element (MAC CE);

- a buffer status report (BSR);

- a reference signal (RS); or

a preamble.

9. The method according to claim 1, wherein the first information further carries:
an identifier of the at least one grant.

10. An indication method, applied to a network-side device and comprising:
sending first signaling to a terminal device; wherein the first signaling is downlink control information (DCI) or an uplink grant; wherein the first signaling is used to indicate activating part or all of the at least one grant, or deactivating part or all of the at least one grant; wherein the first signaling carries an identifier of the at least one grant and a HARQ process identifier for the at least one grant; wherein the at least one grant is a sidelink grant;
receiving first information from a terminal device, wherein
the first information carries a bitmap, each bit of the bitmap corresponds to a target status of one grant, and the target status comprises at least one of the following states:
a deactivated state or an activated state.

11. The method according to claim 10, wherein
the first signaling is further used to indicate:
activating a first grant and deactivating a second grant, wherein the first grant and the second grant are different grants.

12. The method according to claim 11, wherein after the sending first signaling to the terminal device, the method further comprises:

starting a target timer; in a case that the first information is received during running of the target timer, stopping the target timer; and

in a case that the target timer expires, determining that the first information has not been successfully received.

13. The method according to claim 11, wherein the first information is confirmation information.

14. The method according to claim 11, wherein the first signaling further carries at least one of the following:

a parameter having a correspondence relationship with the identifier of the at least one grant;

a parameter having a correspondence relationship with the HARQ process identifier for the at least one grant; or

a bitmap, wherein different bits in the bitmap are used to indicate activating or deactivating different grants in the at least one grant.

15. The method according to claim 11, wherein a resource for the first signaling has a correspondence relationship with at least one of the following:

an identifier of the at least one grant;

a HARQ process identifier for the at least one grant; or

the target status of the at least one grant.

16. The method according to claim 10, wherein

sending second signaling to the terminal device after the receiving first information from the terminal device; wherein

the second signaling is used to indicate one of the following:

activating part or all of the at least one grant;

deactivating part or all of the at least one grant; and

activating a third grant and deactivating a fourth grant, wherein the third grant and the fourth grant are different grants.

17. The method according to claim 10, wherein the first information is sent by using one of the following:

a hybrid automatic repeat request acknowledgment (HARQ ACK);

an uplink scheduling request (SR);

a media access control control element (MAC CE);

a buffer status report (BSR);

a reference signal (RS); or

a preamble.

18. The method according to claim 10, wherein the first information further carries:

an identifier of the at least one grant.

19. A terminal device, comprising:

a sending module, configured to send first information to a network-side device,

a first receiving module, configured to receive first signaling from the network-

side device before the first information is sent to the network-side device; wherein the first signaling is downlink control information (DCI) or an uplink grant; wherein the first signaling is used to indicate activating at least one grant, or deactivating at least one grant; wherein the first signaling carries an identifier of the at least one grant and a HARQ process identifier for the at least one grant; wherein the at least one grant is a sidelink grant;

wherein

the first information carries a bitmap, each bit of the bitmap corresponds to a target status of one grant, and the target status comprises at least one of the following states: a deactivated state or an activated state.

20. A network-side device, comprising:

a receiving module, configured to receive first information from a terminal device,

a first sending module, configured to send first signaling to the terminal device before the first information is received from the terminal device; wherein the first signaling is downlink control information (DCI) or an uplink grant; wherein the first signaling is used to indicate activating part or all of the at least one grant, or deactivating part or all of the at least one grant; wherein the first signaling carries an identifier of the at least one grant and a HARQ process identifier for the at least one grant; wherein the at least one grant is a sidelink grant;

wherein

the first information carries a bitmap, each bit of the bitmap corresponds to a target status of one grant, and the target status comprises at least one of the following states: a deactivated state or an activated state.