WHAT IS CLAIMED IS:

1. A method for sidelink communication, performed by a first terminal, comprising:

receiving a sidelink communication resource scheduled by a network device; and

sending indication information configured to indicate a use condition of the sidelink communication resource;

further comprising:

in response to the network device configuring a PUCCH for the sidelink communication resource, and in response to performing an initial transmission based on the sidelink communication resource, sending an HARQ acknowledgment feedback for a data transmission based on the sidelink communication resource; or

in response to the network device configuring a PUCCH for the sidelink communication resource and in response to performing a retransmission based on the sidelink communication resource, sending an HARQ negative acknowledgement feedback for a data transmission based on the sidelink communication resource.

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

in response to determining that there is no second terminal being in an active time among at least one second terminal performing sidelink communication with the first terminal, not using the sidelink communication resource;

wherein the indication information is configured to indicate not using the sidelink communication resource.

3. The method according to claim 2, wherein the indication information comprises a hybrid automatic repeat request (HARQ) process identification (ID);

wherein the HARQ process ID is comprised in downlink control information (DCI) scheduling the unused sidelink communication resource.

4. The method according to claim 2 or 3, wherein the indication information comprises a first bit map, and there is a corresponding relationship between a bit in the first bit map and the HARQ process ID; and

a bit value after setting the bit in the first bit map is configured to indicate the unused sidelink communication resource.

5. The method according to claim 3, wherein the indication information is further configured to indicate a retransmission position corresponding to the unused sidelink communication resource, and there is a corresponding relationship between the retransmission position and a retransmission number of times,

wherein the indication information comprises a second bit map, and there is a corresponding

relationship between a bit in the second bit map and the retransmission position; and

a bit value after setting the bit in the second bit map is configured to indicate the retransmission position.

6. The method according to claim 2, further comprising one of:

in response to the network device configuring a physical uplink control channel (PUCCH) for the sidelink communication resource, sending an HARQ acknowledgment feedback for a data transmission based on the sidelink communication resource.

7. The method according to claim 2, further comprising:

receiving a sidelink communication resource scheduled by the network device within a next active time.

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

in response to determining that there is a second terminal being in an active time among at least one second terminal performing sidelink communication with the first terminal, sending sidelink communication data to the second terminal being in the active time using the sidelink communication resource;

wherein the indication information is configured to indicate resource information of using the sidelink communication resource.

9. The method according to claim 8, wherein the resource information comprises at least one of:

an ID of a layer 2 of the second terminal;

a logical channel corresponding to the sidelink communication data sent; or

starting by the first terminal a sidelink communication HARQ feedback, or not starting by the first terminal a sidelink communication HARQ feedback,

wherein the method further comprises:

receiving a sidelink communication resource scheduled by the network device within the active time determined based on the resource information.

10. A method for sidelink communication, performed by a network device, comprising:

scheduling a sidelink communication resource; and

receiving indication information configured to indicate a use condition of the sidelink communication resource;

further comprising:

in response to configuring a PUCCH for the sidelink communication resource, receiving an HARQ acknowledgement feedback from the first terminal for an initial data transmission based on the sidelink communication resource; or

in response to configuring a PUCCH for the sidelink communication resource, receiving an HARQ negative acknowledgement feedback from the first terminal for a data retransmission based on the sidelink communication resource.

11. The method according to claim 10, wherein the indication information is configured to indicate not using a sidelink communication resource by a first terminal.

12. The method according to claim 11, wherein the indication information comprises a hybrid automatic repeat request (HARQ) process ID;

wherein the HARQ process ID is comprised in downlink control information (DCI) scheduling the unused sidelink communication resource.

13. The method according to claim 11 or 12, wherein the indication information comprises a first bit map, and there is a corresponding relationship between a bit in the first bit map and the HARQ process ID; and

a bit value after setting the bit in the first bit map is configured to indicate the unused sidelink communication resource.

14. The method according to claim 12, wherein the indication information is further configured to indicate a retransmission position corresponding to the unused sidelink communication resource, and there is a corresponding relationship between the retransmission position and a retransmission number of times,

wherein the indication information comprises a second bit map, and there is a corresponding relationship between a bit in the second bit map and the retransmission position; and

a bit value after setting the bit in the second bit map is configured to indicate the retransmission position.

15. The method according to claim 11, further comprising one of:

in response to configuring a physical uplink control channel (PUCCH) for the sidelink communication resource, receiving an HARQ acknowledgement feedback from the first terminal for a data transmission based on the sidelink communication resource.

16. The method according to claim 11, further comprising:

scheduling a sidelink communication resource within a next active time.

17. The method according to claim 10, wherein the indication information is configured to indicate resource information of using the sidelink communication resource by a first terminal.

18. The method according to claim 17, wherein the resource information comprises at least one of:

an ID of a layer 2 of a second terminal;

a logical channel corresponding to the sidelink communication data sent; or

starting by the first terminal a sidelink communication HARQ feedback, or not starting by the first terminal a sidelink communication HARQ feedback,

wherein the method further comprises:

determining an active time based on the resource information; and

scheduling a sidelink communication resource within the active time determined based on the resource information.

19. A first terminal, comprising:

a processor; and

a memory for storing instructions executable by a processor;

wherein the processor is configured to perform the method for sidelink communication according to any one of claims 1 to 9.

20. A network device, comprising:

a processor; and

a memory for storing instructions executable by a processor;

wherein the processor is configured to perform the method for sidelink communication according to any one of claims 10 to 18.