WHAT IS CLAIMED IS:

1. A data retransmission method, performed by a receiving user equipment (UE), comprising:

determining that a round trip time (RTT) timer is expired and the receiving UE does not send a physical sidelink feedback channel (PSFCH); and

determining, based on a hybrid automatic repeat request (HARQ) feedback mode corresponding to the receiving UE, whether to start a retransmission timer;

wherein determining, based on the HARQ feedback mode corresponding to the receiving UE, whether to start the retransmission timer, comprises:

determining that the HARQ feedback mode is feeding back a positive acknowledgement (ACK) or a negative acknowledgement (NACK), and data is not successfully received by the receiving UE, and starting the retransmission timer.

2. The method of claim 1, wherein determining, based on the HARQ feedback mode corresponding to the receiving UE, whether to start the retransmission timer, further comprises at least one of:

determining that the HARQ feedback mode is feeding back an ACK or a NACK, and starting the retransmission timer;

determining that the HARQ feedback mode is feeding back only a NACK, and not starting the retransmission timer; or

determining that the HARQ feedback mode is feeding back only a NACK, data is not successfully received by the receiving UE, and a NACK feedback sent by another UE is received by the receiving UE, and starting the retransmission timer.

3. The method of claim 1 or 2, further comprising:

determining that the retransmission timer is started, and monitoring a physical sidelink control channel (PSCCH) during operation of the retransmission timer.

4. The method of any of claims 1 to 3, further comprising:

starting the RTT timer.

5. The method of claim 4, wherein starting the RTT timer comprises:

determining that the receiving UE does not send a PSFCH, and starting the RTT timer in a first time slot after a PSFCH resource location.

6. The method of any of claims 1 to 5, further comprising:

receiving data sent by a transmitting UE by means of multicast.

7. A data retransmission apparatus, comprising:

a determining module, configured to, determine that a round trip time (RTT) timer is expired and a receiving UE does not send a physical sidelink feedback channel (PSFCH), and determine, based on a hybrid automatic repeat request (HARQ) feedback mode corresponding to the receiving UE, whether to start a retransmission timer;

wherein the determining module is configured to determine that the HARQ feedback mode is feeding back a positive acknowledgement (ACK) or a negative acknowledgement (NACK), and data is not successfully received by the receiving UE, and start the retransmission timer.

8. The apparatus of claim 7, wherein the determining module is further configured to perform at least one of:

determining that the HARQ feedback mode is feeding back an ACK or a NACK, and starting the retransmission timer;

determining that the HARQ feedback mode is feeding back only a NACK, and not starting the retransmission timer; and

determining that the HARQ feedback mode is feeding back only a NACK, data is not successfully received by the receiving UE, and a NACK feedback sent by another UE is received by the receiving UE, and starting the retransmission timer.

9. The apparatus of claim 7 or 8, wherein the determining module is further configured to:

determine that the retransmission timer is started, and monitor a physical sidelink control channel (PSCCH) during operation of the retransmission timer.

10. The apparatus of any of claims 7 to 9, wherein the determining module is further configured to:

start the RTT timer.

11. The apparatus of claim 10, wherein, when starting the RTT timer, the determining module is configured to:

determine that the receiving UE does not send a PSFCH, and start the RTT timer in a first time slot after a PSFCH resource location.

12. The apparatus of any of claims 7 to 11, wherein the determining module is further

configured to:

receive data sent by a transmitting UE by means of multicast.

13. A communication device comprising a processor and a memory having a computer program stored thereon, wherein when the computer program is executed by the processor, the device is caused to perform the method of any one of claims 1-6.

14. A communication device comprising a processor and an interface circuit, wherein,

the interface circuit is configured to receive code instructions and transmit the code instructions to the processor; and

the processor is configured to run the code instructions to perform the method of any one of claims 1-6.

15. A computer readable storage medium having instructions stored thereon, wherein when the instructions are executed, the method of any one of claims 1-6 is implemented.