

CLAIMS

1. A communication method, comprising:

receiving first indication information from a second terminal apparatus, wherein the first indication information indicates a first resource, the first resource is a resource reserved by the second terminal apparatus for sending first data, and a resource corresponding to the first resource in frequency domain belongs to a first channel;

determining a second resource based on the first indication information; and

sending second data on the second resource, wherein a start time unit of the second resource is later than an end time unit of the first resource, and a resource corresponding to the second resource in frequency domain belongs to the first channel.

2. The method according to claim 1, wherein the method further comprises:

sensing, in a first sensing time unit by using a listen-before-talk process, that a state of the first channel is idle, and suspending the listen-before-talk process in the first sensing time unit based on the first resource, wherein the first sensing time unit is earlier than a start time unit of the first resource.

3. The method according to claim 2, wherein the suspending the listen-before-talk process in the first sensing time unit based on the first resource comprises:

when determining that duration between the start time unit of the first resource and the first sensing time unit is less than or equal to a first threshold, suspending the listen-before-talk process in the first sensing time unit, wherein the first threshold is greater than 0 and less than or equal to a delay requirement of the second data.

4. The method according to claim 2, wherein the suspending the listen-before-talk process in the first sensing time unit based on the first resource comprises:

after progressively decreasing a value of a counter from Q to M, suspending the progressive decrease, wherein $1 \leq M \leq Q$, and Q is an initial value of the counter.

5. The method according to claim 4, wherein the method further comprises:

sensing, in a second sensing time unit, that a state of the first channel is idle, and continuing to progressively decrease the value of the counter from M, wherein the second sensing time unit is later than the end time unit of the first resource, and the start time unit of the second resource is a time unit in which the value of the counter is progressively decreased to 0.

6. The method according to any one of claims 1 to 5, wherein the method further comprises:

receiving a first reference signal from the second terminal apparatus; and

determining that power for receiving the first reference signal is greater than or equal to a reference signal received power threshold.

7. The method according to any one of claims 1 to 6, wherein the method further comprises:
receiving third indication information from the second terminal apparatus, wherein the third
indication information indicates a destination end to which the second terminal apparatus sends
data.

5 8. The method according to any one of claims 1 to 7, wherein the method further comprises:
receiving fourth indication information from the second terminal apparatus, wherein the
fourth indication information indicates a priority of the first data; and

determining that the priority of the first data is higher than or equal to a priority of the second
data.

10 9. A communication method, comprising:
receiving first indication information from a second terminal apparatus, wherein the first
indication information indicates a first resource, and the first resource is a resource reserved by the
second terminal apparatus for sending second data;

15 determining a third resource based on the first resource and first channel occupancy time,
wherein the third resource belongs to the first resource and the first channel occupancy time, the
third resource is used by the second terminal apparatus to send first data, and a start time unit of
the first channel occupancy time is earlier than a start time unit of the first resource; and

sending the second data on a fourth resource, wherein the fourth resource belongs to a
resource other than the third resource in the first channel occupancy time.

20 10. The method according to claim 9, wherein the method further comprises:
sending second indication information to the second terminal apparatus, wherein the second
indication information indicates the third resource.

11. The method according to claim 10, wherein the sending second indication information to
the second terminal apparatus comprises:

25 sending the second indication information to the second terminal apparatus in a first time
period, wherein a start moment of the first time period falls within a range between a start time
unit of the fourth resource and a start time unit of the third resource, and duration between the start
moment of the first time period and the start time unit of the fourth resource is greater than or equal
to a second threshold.

30 12. The method according to any one of claims 9 to 11, wherein the first indication
information is carried in at least one of first-stage sidelink control information, second-stage
sidelink control information, a sidelink media access control control element, or PC5 radio
resource control signaling from the second terminal apparatus.

13. A communication method, comprising:

35 sending first indication information, wherein the first indication information indicates a first

resource, and the first resource is a resource reserved by a second terminal apparatus for sending first data; and

sending the first data on a third resource, wherein the third resource is determined based on the first resource and first channel occupancy time, a start time unit of the first channel occupancy time is earlier than a start time unit of the first resource, and the third resource belongs to the first resource and the first channel occupancy time.

14. The method according to claim 13, wherein the method further comprises:

receiving second indication information from a first terminal apparatus, wherein the second indication information indicates the third resource.

15. The method according to claim 14, wherein the receiving second indication information from a first terminal apparatus comprises:

receiving the second indication information from the first terminal apparatus in a first time period, wherein

a start moment of the first time period falls within a range between a start time unit of a fourth resource and a start time unit of the third resource, and duration between the start moment of the first time period and the start time unit of the fourth resource is greater than or equal to a second threshold.

16. The method according to any one of claims 13 to 15, wherein

the first indication information is carried in at least one of first-stage sidelink control information, second-stage sidelink control information, a sidelink media access control control element, or PC5 radio resource control signaling from the second terminal apparatus.

17. An apparatus, comprising a processor and a memory, wherein the memory stores instructions, and when the instructions are run by the processor, the method according to any one of claims 1 to 12 is implemented.

18. The apparatus according to claim 17, the apparatus comprises a first terminal apparatus or a chip in a first terminal apparatus.

19. An apparatus, comprising a processor and a memory, wherein the memory stores instructions, and when the instructions are run by the processor, the method according to any one of claims 13 to 16 is implemented.

20. The apparatus according to claim 19, the apparatus comprises a second terminal apparatus or a chip in a second terminal apparatus.