# CLAIMS

1. A coordinated communication method, applied to a first device and comprising:

sending a first radio frame to a second device, wherein the first radio frame is used to request to set up a transmission agreement, and the first device and the second device share a transmission resource under the transmission agreement; and

receiving a second radio frame from the second device, wherein the second radio frame is used to respond to a request for setting up the transmission agreement.

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

initiating transmission resource sharing;

a power of a transmission resource indicated by the first device when the first device initiates transmission resource sharing, is greater than or equal to a fourth threshold, the fourth threshold is indicated by a fifth indication information carried in the second radio frame to complete threshold negotiation between the first device and the second device.

3. The method according to claim 1, wherein

the first radio frame carries first indication information, and the first indication information indicates at least one coordination mode between the first device and the second device; and

the second radio frame carries second indication information, and the second indication information indicates whether the at least one coordination mode is successfully set up.

4. The method according to claim 3, wherein

the first indication information comprises a first field, and a value of the first field indicates the at least one coordination mode; or

the first indication information comprises at least two second fields, each second field corresponds to one coordination mode, and a value of the second field indicates whether the corresponding coordination mode is a coordination mode between the first device and the second device.

5. The method according to claim 3, wherein the coordination mode comprises at least one of coordinated time division multiple access (co-TDMA), coordinated orthogonal frequency division multiple access (co-OFDMA), coordinated spatial reuse (co-SR), or coordinated restricted target wake time (co-RTWT).

6. The method according to claim 1, wherein

the first radio frame carries third indication information, the third indication information indicates valid duration of the transmission agreement, and in a first time constrained by the valid duration, the first device and the second device share a transmission resource.

7. The method according to claim 6, wherein

the second radio frame carries the third indication information, and the third indication information carried in the second radio frame is used to set up the transmission agreement.

8. A coordinated communication method, applied to a second device and comprising:

receiving a first radio frame from a first device, wherein the first radio frame is used to request to set up a transmission agreement, and the first device and the second device share a transmission resource under the transmission agreement; and

sending a second radio frame to the first device, wherein the second radio frame is used to respond to a request for setting up the transmission agreement.

9. The method according to claim 8, wherein the method further comprising:

initiating transmission resource sharing;

a power of a transmission resource indicated by the second device when the second device initiates transmission resource sharing, is greater than or equal to a fourth threshold, the fourth threshold is indicated by a fifth indication information carried in the first radio frame to complete threshold negotiation between the first device and the second device.

10. The method according to claim 8 or, wherein

the first radio frame carries first indication information, and the first indication information indicates at least one coordination mode between the first device and the second device; and

the second radio frame carries second indication information, and the second indication information indicates whether the at least one coordination mode is successfully set up.

11. The method according to claim 10, wherein

the first indication information comprises a first field, and a value of the first field indicates the at least one coordination mode; or

the first indication information comprises at least two second fields, each second field corresponds to one coordination mode, and a value of the second field indicates whether the corresponding coordination mode is a coordination mode between the first device and the second device.

12. The method according to claim 10, wherein the coordination mode comprises at least one of co-TDMA, co-OFDMA, co-SR, or co-RTWT.

13. The method according to claim 8 , wherein

the first radio frame carries third indication information, the third indication information indicates valid duration of the transmission agreement, and in a first time constrained by the valid duration, the first device and the second device share a transmission resource.

14. A first device, configured to perform the method according to any one of claims 1 to 7.

15. A second device, configured to perform the method according to any one of claims 8 to

13.

16. A computer-readable recording medium on which a program is recorded, wherein the program, when executed, enables a computer to perform the method according to any one of claims 1 to 7.17. A computer-readable recording medium on which a program is recorded, wherein the program, when executed, enables a computer to perform the method according to any one of claims 8 to 13.

18. A program which makes a computer to perform the method according to any one of claims 1 to 7.

19. A program which makes a computer to perform the method according to any one of claims 8 to 13.