CLAIMS

1. An access method, wherein the method comprises:

receiving, in a first cell, first information from a network device, wherein the first information comprises one or more of following information: characteristic information of terminals allowed to access the first cell, characteristic information of terminals disallowed to access the first cell; and

determining, based on the first information, whether to access the first cell.

2. An access method, wherein the method comprises:

sending, in a first cell, first information to a terminal, wherein the first information comprises one or more of following information: characteristic information of terminals allowed to access the first cell, characteristic information of terminals disallowed to access the first cell.

3. The method according to claim 1 or 2, wherein

the first information is carried in a system information block, SIB;

the first information is carried in a paging message; or

the first information is carried in downlink control information, DCI, and the DCI is used for scheduling a SIB.

4. The method according to any one of claims 1 to 3, wherein the characteristic information corresponds to a type of terminals;

the first information comprises a type of terminals allowed to access the first cell; and/or

the first information comprises a type of terminals disallowed to access the first cell.

5. The method according to any one of claims 1 to 4, wherein the characteristic information comprises a value of one or more of the following parameters of terminals: a duplex capability, a branch quantity.

6. The method according to claim 5, wherein the duplex capability is half-duplex frequency division duplex, FDD, capability.

7. An access method, wherein the method comprises:

sending, in a first cell, third information to a first network device, wherein the third information indicates characteristic information of a terminal; and

receiving, in the first cell, a response message from the first network device, wherein the response message indicates whether the terminal is allowed to access the first cell.

8. An access method, wherein the method comprises:

receiving, in a first cell, third information from a terminal, wherein the third information indicates characteristic information of the terminal; and

sending, in the first cell, a response message to the terminal based on the third information, wherein the response message indicates whether the terminal is allowed to access the first cell.

9. The method according to claim 7 or 8, wherein

the third information is carried in Msg3, and the response message is carried in Msg4 or carried in downlink control information, DCI, for scheduling Msg4; or

the third information is carried in MsgA, and the response message is carried in MsgB or carried in DCI for scheduling MsgB.

10. The method according to any one of claims 7 to 9, wherein the characteristic information comprises a value of one or more of the following parameters of the terminal: a duplex capability, a branch quantity.

11. The method according to claim 10, wherein the duplex capability is half-duplex frequency division duplex, FDD, capability.

12. A communication apparatus, configured to perform the access method according to any one of claims 1, and 3 to 6 or the access method according to any one of claims 7, and 9 to 11.

13. A communication apparatus, configured to perform the access method according to any one of claims 2 to 6, or the access method according to any one of claims 8 to 11.

14. A computer-readable storage medium, wherein the computer-readable storage medium stores computer instructions, and when the computer instructions are run on a computer, the computer is enabled to perform the access method according to any one of claims 1 to 11.

15. A computer program product, wherein the computer program product comprises computer instructions, and when the computer instructions are run on a computer, the computer is enabled to perform the access method according to any one of claims 1 to 11.