CLAIMS

What is claimed is:

1. A multicast/broadcast service communication method, comprising:

receiving, by a first terminal device, a seventh message, wherein the seventh message is used for paging, the seventh message comprises an identifier of a first multicast/broadcast session, the first terminal device has joined the first multicast/broadcast session, the first terminal device is in a radio resource control inactive state, and the first multicast/broadcast session is used for transmitting a first multicast/broadcast service; and

keeping, by the first terminal device, in the radio resource control inactive state if the first terminal device is allowed to receive the first multicast/broadcast session in the radio resource control inactive state; or

keeping, by the first terminal device, in the radio resource control inactive state if the first terminal device supports receiving a multicast/broadcast service in the radio resource control inactive state and the first terminal device is allowed to receive the first multicast/broadcast session in the radio resource control inactive state.

2. The method according to claim 1, wherein after the keeping, by the first terminal device, in the radio resource control inactive state, the method further comprises:

receiving, by the first terminal device, the first multicast/broadcast service by using the first multicast/broadcast session, wherein the first terminal device is in the radio resource control inactive state.

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

determining, by the first terminal device based on second information, that the first terminal device is allowed to receive the first multicast/broadcast session in the radio resource control inactive state, wherein

the second information indicates that the first multicast/broadcast session is allowed to be received by a terminal device in the radio resource control inactive state.

4. The method according to claim 3, wherein the second information is of an enumeration type.

5. The method according to claim 3 or 4, wherein the second information is carried in a paging message.

6. The method according to any one of claims 3 to 5, wherein the second information is from an access network device.

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

sending, by the first terminal device, fourth information to the access network device, wherein

the fourth information indicates whether the first terminal device supports receiving a multicast/broadcast service in the radio resource control inactive state.

8. The method according to claim 7, wherein the fourth information is carried in a radio resource control (RRC) message.

9. The method according to any one of claims 1 to 8, wherein the first terminal device is located in a service area of the first multicast/broadcast session.

10. The method according to any one of claims 1 to 9, wherein the seventh message is a paging message.

11. A multicast/broadcast service communication method, comprising:

determining, by an access network device, that a terminal device is allowed to receive a first multicast/broadcast session in a radio resource control inactive state; and

sending, by the access network device, second information to the terminal device, wherein the second information indicates that the first multicast/broadcast session is allowed to be received by a terminal device in the radio resource control inactive state.

12. The method according to claim 11, wherein the determining, by an access network device, that a terminal device is allowed to receive a first multicast/broadcast session in a radio resource control inactive state comprises:

determining, by the access network device based on third information, that the terminal device is allowed to receive the first multicast/broadcast session in the radio resource control inactive state, wherein the third information comprises a fifth generation (5G) quality of service (QoS) identifier and/or an allocation and retention priority of the first multicast/broadcast session.

13. The method according to claim 12, wherein the third information is from a multicast/broadcast session management network element.

14. The method according to any one of claims 11 to 13, wherein the method further comprises: determining, by the access network device, that the terminal device supports receiving a multicast/broadcast service in the radio resource control inactive state.

15. The method according to any one of claims 11 to 14, wherein the method further comprises:

receiving, by the access network device, fourth information, wherein the fourth information indicates whether the terminal device supports receiving a multicast/broadcast service in the radio resource control inactive state.

16. The method according to claim 15, wherein the fourth information is carried in a radio resource control (RRC) message.

17. A multicast/broadcast communication apparatus, comprising:

a processor, configured to execute a computer program stored in a memory, to enable the

apparatus to perform the method according to any one of claims 1 to 10, or any one of claims 11 to 16.

18. The apparatus according to claim 17, wherein the apparatus further comprises the memory.

19. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program runs on a computer, the computer is enabled to perform the method according to any one of claims 1 to 10, or any one of claims 11 to 16.

20. A computer program product, wherein the computer program product comprises instructions used to perform the method according to any one of claims 1 to 10, or any one of claims 11 to 16.

21. A communication system, comprising at least one of a communication apparatus configured to execute the method according to any one of claims 1 to 10, and a communication apparatus configured to execute the method according to any one of claims 11 to 16.