

What is claimed is:

1. An access method, comprising:

sending, by a second transmission point, indication information to a first transmission point, wherein the indication information carries a transmission hop number of the second transmission point in a relay system, and the ~~first~~ indication information is used to indicate that the second transmission point supports a relay function, and used to enable the first transmission point to access to a wireless access network provided by the second transmission point according to a mapping relationship between the transmission hop number and a transmission resource for accessing the wireless access network; and wherein

the indication information is sent through one of: a Master Information Block (MIB), a System Information Block (SIB), a synchronization signal, a Radio Resource Control (RRC) message or a higher layer signaling;

wherein the first transmission point is a first relay device and the second transmission point is a second relay device.

2. The method of claim 1, wherein, the mapping relationship is pre-configured in the first transmission point or transmitted to the first transmission point by means of network configuration.

~~the first transmission point comprises a first relay device; and~~

~~the second transmission point comprises a second relay device or an access network device.~~

~~3. The method of claim 2, wherein, the indication information carries a transmission layer level or a transmission hop number of the second transmission point in a relay system.~~

~~4. The method of claim 2 or 3, wherein the second transmission point comprises the second relay device, and the method further comprises:~~

~~receiving, by the second transmission point, indication information sent by a third wireless communication device, wherein the indication information sent by the third wireless communication device is used to indicate that the third transmission point supports a relay function.~~

~~5. The method of claim 4, further comprising:~~

~~accessing, by the second transmission point, a wireless access network provided by the third wireless communication device according to the indication information sent by the third transmission point.~~

5 ~~63.~~ The method of claim 1, wherein, sending, by the second transmission point, the indication information to the first transmission point through a synchronization signal, comprises:

10 sending, by the second transmission point, the indication information to the first transmission point through a primary synchronization signal and/or a secondary synchronization signal.

~~74.~~ The method of claim 1, wherein, sending, by the second transmission point, the indication information to the first transmission point through a synchronization signal, comprises:

15 sending, by the second transmission point, the indication information to the first transmission point by a designated synchronization signal; or

 sending, by the second transmission point, the indication information to the first transmission point through any synchronization signal in a designated group.

~~85.~~ A second transmission point, comprising:

20 a sending unit, configured to send indication information to a first transmission point, wherein the indication information carries a transmission hop number of the second transmission point in a relay system, and the indication information is used to indicate that the second transmission point supports a relay function, and used to enable the first transmission point to access to a wireless access network provided by the second transmission point according to a mapping relationship between the transmission hop number and a transmission
25 resource for accessing the wireless access network; and wherein

 the indication information is sent through one of: a Master Information Block (MIB), a System Information Block (SIB), a synchronization signal, a Radio Resource Control (RRC) message or a higher layer signaling.

wherein the first transmission point is a first relay device and the second transmission point is a second relay device.

96. The second transmission point of claim 85, wherein the mapping relationship is pre-configured in the first transmission point or transmitted to the first transmission point by means of network configuration.

~~the first transmission point comprises a first relay device; and~~

~~the second transmission point comprises a second relay device or an access network device.~~

~~10. The second transmission point of claim 9, wherein the indication information carries a transmission layer level or a transmission hop number of the first wireless communication device in a relay system.~~

~~11. The second transmission point of claim 9 or 10, wherein second transmission point comprises the second relay device, the second transmission point comprises a receiving unit, configured to receive indication information sent by a third transmission point, wherein the indication information sent by the third transmission point is used to indicate that the third transmission point supports a relay function.~~

~~12. The second transmission point of claim 11, further comprising: an access unit, configured to access a wireless access network provided by the third transmission point according to the indication information sent by the third transmission point.~~

137. The second transmission point of claim 85, wherein the indication information is sent through the synchronization signal,

the sending unit is configured to send the indication information to the first transmission point through a primary synchronization signal and/or a secondary synchronization signal; or

the sending unit is configured to send the indication information to the first transmission point by a designated synchronization signal; or

send the indication information to the first transmission point through any synchronization signal in a designated group.

148. A communication device, comprising: a processor configured to store a computer

program, and a memory configured to call and execute the computer program stored in the memory to execute the method of any one of claims 1 to [74](#).

[159](#). A chip, comprising: a processor configured to call and run a computer program from a memory, causing a device on which the chip is mounted to execute the method of any one of claims 1 to [74](#).

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