

Claims:

1. A handover method, comprising:

acquiring, by a first network device, measurement results of links, wherein the links comprise a link between the first network device and a first terminal device and a link between
 5 the first network device and a second terminal device; wherein the first terminal device is a Relay User Equipment (UE) and the second terminal device is a Remote UE; or the first terminal device is a Remote UE and the second terminal device is a Relay UE; and

determining, by the first network device, a first handover scheme of the first terminal device and/or a second handover scheme of the second terminal device according to the
 10 measurement results;

wherein determining, by the first network device, the first handover scheme of the first terminal device and/or the second handover scheme of the second terminal device according to the measurement results, comprises:

determining, by the first network device, the first handover scheme and/or the second
 15 handover scheme according to states of the first terminal device and the second terminal device, and the measurement results;

wherein when the first terminal device is in a connected state, the first handover scheme comprises that the first terminal device is handed over from a cell covered by the first network device to a cell covered by a second network device, or the first terminal device does not
 20 perform cell handover;

when the first terminal device is in an inactive state or an idle state, the first handover scheme comprises that the first terminal device reselects a cell covered by the second network device as a cell to be accessed, or the first terminal device does not perform cell reselection;

when the second terminal device is in a connected state, the second handover scheme
 25 comprises that the second terminal device is handed over from a cell covered by the first network device to a cell covered by the second network device or a cell covered by another network device, or the second terminal device does not perform cell handover;

when the second terminal device is in an inactive state or an idle state, the second handover scheme comprises that the second terminal device reselects a cell covered by the
 30 second network device or a cell covered by another network device as a cell to be accessed, or the second terminal device does not perform cell reselection.

2. The method according to claim 1, wherein the links further comprise a link between the first terminal device and the second terminal device.

3. The method according to claim 1 or 2, wherein determining, by the first network device, the first handover scheme of the first terminal device and/or the second handover scheme of the second terminal device according to the measurement results, comprises:

determining, by the first network device, whether a link connection between the first terminal device and the second terminal device is maintained according to the measurement results; and

determining, by the first network device, the first handover scheme and/or the second handover scheme according to whether the link connection between the first terminal device and the second terminal device is maintained.

4. The method according to claim 3, wherein if the first network device determines that the link connection between the first terminal device and the second terminal device is maintained,

after the first terminal device performs the first handover scheme and the second terminal device performs the second handover scheme, the first terminal device and the second terminal device are located in a cell covered by a same network device.

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

determining, by the first network device, whether a link connection between the first terminal device and the second terminal device is maintained according to the measurement results;

if the first network device determines that the link connection between the first terminal device and the second terminal device is not maintained, the method further comprises:

sending, by the first network device, release indication information to the first terminal device, wherein the release indication information is used for instructing the first terminal device to release the link connection with the second terminal device.

6. The method according to any one of claims 1-5, wherein before the first network device determines the first handover scheme of the first terminal device and/or the second handover scheme of the second terminal device according to the measurement results, the method further comprises:

acquiring, by the first network device, association information between the first terminal device and the second terminal device, wherein the association information comprises a pairing

relationship or a connection relationship between the first terminal device and the second terminal device;

determining, by the first network device, the first handover scheme of the first terminal device and/or the second handover scheme of the second terminal device according to the measurement results, comprises:

determining, by the first network device, the first handover scheme and/or the second handover scheme according to the association information and the measurement results.

7. The method according to any one of claims 1-6, wherein if the first handover scheme comprises that the first terminal device is handed over from a cell covered by the first network device to a cell covered by a second network device, the method further comprises:

sending, by the first network device, a handover request message to the second network device, wherein the handover request message is used for indicating that the first terminal device requests performing the first handover scheme; and

receiving, by the first network device, a handover command sent by the second network device according to the handover request message, wherein the handover command comprises a resource for cell handover of the first terminal device.

8. The method according to claim 7, wherein the handover request message comprises association information between the first terminal device and the second terminal device.

9. The method according to claim 7 or 8, wherein if the second handover scheme comprises that the second terminal device is handed over from a cell covered by the first network device to a cell covered by the second network device,

the handover request message is further used for indicating that the second terminal device requests performing the second handover scheme, and the handover command further comprises a resource for cell handover of the second terminal device.

10. The method according to claim 8, wherein if the second handover scheme comprises that the second terminal device reselects a cell covered by the second network device or a cell covered by another network device as a cell to be accessed,

the handover request message is further used for indicating that the second terminal device requests performing the second handover scheme, and the handover command further comprises information on whether the second terminal device is allowed to perform cell reselection.

11. The method according to claim 10, wherein if the second network device allows the second terminal device to perform cell reselection, the handover command further comprises information of the cell to be accessed reselected by the second terminal device.

12. The method according to any one of claims 1-11, wherein acquiring, by the first
5 network device, the measurement results of the links, comprises:

receiving, by the first network device, the measurement results sent by the first terminal device; or

receiving, by the first network device, a measurement result of a link between the first terminal device and the first network device sent by the first terminal device, and receiving a
10 measurement result of a link between the second terminal device and the first network device sent by the second terminal device.

13. The handover method according to claim 12, wherein acquiring, by the first network device, the measurement results of the links, comprises:

receiving, by the first network device, a measurement result of a link between the first
15 terminal device and the second terminal device sent by the first terminal device or the second terminal device.

14. A handover method, comprising:

acquiring, by a first terminal device, measurement results of links, wherein the links
comprise a link between the first terminal device and a first network device and a link between
20 the first network device and a second terminal device; wherein the first terminal device is a Relay User Equipment (UE) and the second terminal device is a Remote UE;

sending, by the first terminal device, the measurement results to the first network device, wherein the measurement results are used for the first network device to determine a first handover scheme of the first terminal device; and

25 receiving, by the first terminal device, a handover command and performing the first handover scheme according to the handover command;

wherein when the first terminal device is in a connected state, the first handover scheme comprises that the first terminal device is handed over from a cell covered by the first network device to a cell covered by a second network device, or the first terminal device does not
30 perform cell handover;

when the first terminal device is in an inactive state or an idle state, the first handover

scheme comprises that the first terminal device reselects a cell covered by the second network device as a cell to be accessed, or the first terminal device does not perform cell reselection.

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

5 maintaining, by the first terminal device, association information between the first terminal device and the second terminal device, wherein the association information comprises a pairing relationship or a connection relationship between the first terminal device and the second terminal device; and

10 sending, by the first terminal device, the association information to the first network device, for the first network device to determine the first handover scheme according to the association information and the measurement results.

16. The method according to claim 14 or 15, wherein acquiring, by the first terminal device, the measurement results of the links, comprises:

15 determining, by the first terminal device, a measurement result of a link between the first terminal device and the first network device, and receiving a measurement result of a link between the first network device and the second terminal device sent by the second terminal device.

17. A handover method, comprising:

acquiring, by a second terminal device, a measurement result of a link, wherein the link comprises a link between the second terminal device and a first network device;

20 sending, by the second terminal device, the measurement result to the first network device through a first terminal device, wherein the measurement result is used for the first network device to determine a second handover scheme of the second terminal device; wherein the first terminal device is a Relay User Equipment (UE) and the second terminal device is a Remote UE; and

25 receiving, by the second terminal device, a handover command and performing the second handover scheme according to the handover command;

30 when the second terminal device is in a connected state, the second handover scheme comprises that the second terminal device is handed over from a cell covered by the first network device to a cell covered by the second network device or a cell covered by another network device, or the second terminal device does not perform cell handover;

when the second terminal device is in an inactive state or an idle state, the second

handover scheme comprises that the second terminal device reselects a cell covered by the second network device or a cell covered by another network device as a cell to be accessed, or the second terminal device does not perform cell reselection.

18. The method according to claim 17, wherein receiving, by the second terminal device,
5 the handover command, comprises:

receiving, by the second terminal device, the handover command sent by the first terminal device; or

receiving, by the second terminal device, the handover command sent by the first network device through a paging message.