CLAIMS

What is claimed is:

1. A communication method, comprising:

obtaining, by a first station in a multi-link station device, a channel on a first link through contention, and obtaining a transmit opportunity, TXOP, on the first link; and

ending, by the first station, the TXOP before target sending time of a beacon frame of a second station, wherein the first station and the second station are stations in the multi-link station device, and when the first station performs sending or receiving, the second station is not capable of performing receiving or sending.

2. The method according to claim 1, wherein the ending, by the first station, the TXOP before target sending time of a beacon frame of a second station, comprises:

determining that the second station needs to receive the beacon frame at the target sending time; and;

ending, by the first station, the TXOP.

3. The method according to claim 1 or 2, wherein the beacon frame is received by the second station on a second link, wherein the first link is a communication link between the first station and a first access point, and the second link is a communication link between the second station and a second access point; and wherein the first access point and the second access point belong to a same multi-link access point device.

4. A communication apparatus, comprising:

a processing unit, used by a first station in a multi-link station device to obtain a channel on a first link through contention, and obtain a transmit opportunity TXOP on the first link, wherein

the processing unit is further configured to end the TXOP before target sending time of a beacon frame of a second station, wherein the first station and the second station are stations in the multi-link station device, and when the first station performs sending or receiving, the second station is not capable of performing receiving or sending.

5. The communication apparatus according to claim 4, the processing unit is further configured to: end the TXOP in response to determined that the second station needs to receive the beacon frame at the target sending time.

6. The communication apparatus according to claim 4 or 5, wherein the beacon frame is

received by the second station on a second link, wherein the first link is a communication link between the first station and a first access point, and the second link is a communication link between the second station and a second access point; and wherein the first access point and the second access point belong to a same multi-link access point device.

7. A communication apparatus, configured to implement the method according to any one of claims 1 to 3.

8. A computer-readable storage medium, configured to store a computer program, wherein the computer program comprises instructions used to perform the method according to any one of claims 1 to 3.

9. A computer program, comprising instructions used for the method according to any one of claims 1 to 3.

10. A communications system, comprising:

the communication apparatus according to any one of claims 4 to 6; or,

the communication apparatus according to claim 7.