WHAT IS CLAIMED IS:

1. A communication method, applied to a TXOP responder, wherein the method comprises:

in a first transmission opportunity (TXOP), in response to data sent by a TXOP initiator, replying with a Block Ack frame to the TXOP initiator; wherein the Block Ack frame comprises at least one of a first identifier and a first identification field;

the first identifier identifies whether the TXOP responder requests the TXOP initiator to share part of transmission time of the first TXOP for transmission of low-latency service data; and

the first identification field identifies a duration required for the TXOP responder to transmit the low-latency service data.

2. The communication method according to claim 1, wherein the first identifier is carried in a Block Ack (BA) Control field of the Block Ack frame;

the first identifier is set to a first parameter value, identifying that the TXOP responder does not request the TXOP initiator to share part of the transmission time of the first TXOP for transmission of the low-latency service data;

the first identifier is set to a second parameter value, identifying that the TXOP responder requests the TXOP initiator to share part of the transmission time of the first TXOP for transmission of the low-latency service data.

3. The communication method according to claim 2, wherein after replying with the Block Ack frame to the TXOP initiator, the method further comprises:

the first identifier being set to the first parameter value, receiving data sent by the TXOP initiator;

or

the first identifier being set to the second parameter value, receiving a multi-user request to send transmission opportunity sharing (MU-RTS TXS) Trigger frame sent by the TXOP initiator; wherein the MU-RTS TXS Trigger frame comprises a second identification field and a third identification field, the second identification field comprises a device identifier of a target device to which part of the transmission time of the first TXOP is shared, and the third identification field identifies the transmission time allocated by the TXOP initiator for each of the target devices.

4. The communication method according to claim 3, wherein after receiving the MU-RTS TXS Trigger frame sent by the TXOP initiator, the method comprises:

the device identifier in the second identification field not comprising a device identifier of the TXOP responder, not responding to the MU-RTS TXS Trigger frame, and receiving data sent by the TXOP initiator;

or

the device identifier in the second identification field comprising the device identifier of the TXOP responder, transmitting the low-latency service data within the transmission time shared by the TXOP initiator for the TXOP responder.

5. The communication method according to claim 4, wherein transmitting the low-latency service data within the transmission time shared by the TXOP initiator for the TXOP responder comprises:

sending a request to send (RTS) frame to a receiving end of the low-latency service data; wherein a receiving address of the RTS frame is an address of the receiving end; the duration of the RTS frame is set to: a sum of a duration of the receiving end sending a clear to send (CTS) frame, a duration required for the TXOP responder to transmit the low-latency service data, a duration of the receiving end sending an ACK frame, and three short interframe spaces; and

receiving the CTS frame sent by the receiving end, and sending the low-latency service data to the receiving end.

6. The communication method according to any one of claims 1 to 5, wherein the TXOP initiator comprises a station device, and the TXOP responder comprises an access point device;

or

the TXOP initiator and the TXOP responder are two TDLS devices that have established a tunneled direct link setup (TDLS) link.

7. A communication method, applied to a TXOP initiator, wherein the method comprises:

in a first transmission opportunity (TXOP), during a process of sending data to a TXOP responder, receiving a Block Ack frame sent by the TXOP responder; wherein the Block Ack frame comprises at least one of a first identifier and a first identification field;

the first identifier identifies whether the TXOP responder requests the TXOP initiator to share part of transmission time of the first TXOP for transmission of low-latency service data; and

the first identification field identifies a duration required for the TXOP responder to transmit the low-latency service data.

8. The communication method according to claim 7, wherein the first identifier is carried in a Block Ack (BA) Control field of the Block Ack frame;

the first identifier is set to a first parameter value, identifying that the TXOP responder does not request to use part of the transmission time of the first TXOP shared by the TXOP initiator for transmission of the low-latency service data;

the first identifier is set to a second parameter value, identifying that the TXOP responder requests to use part of the transmission time of the first TXOP shared by the TXOP initiator for transmission of the low-latency service data.

9. The communication method according to claim 8, wherein after receiving the Block Ack frame sent by the TXOP responder, the method further comprises:

the first identifier being set to the first parameter value, sending data to the TXOP responder;

or

the first identifier being set to the second parameter value, sending a multi-user request to send transmission opportunity sharing (MU-RTS TXS) Trigger frame to the TXOP responder; wherein the MU-RTS TXS Trigger frame comprises a second identification field and a third identification field, the second identification field comprises a device identifier of a target device to which part of the transmission time of the first TXOP is shared, and the third identification field identifies the transmission time allocated by the TXOP initiator for each of the target devices.

10. The communication method according to claim 9, wherein:

within the transmission time allocated by the TXOP initiator to the target device, the TXOP initiator sends data only in a case of receiving a data sending request from the target device and responding to the data sending request.

11. The communication method according to any one of claims 7 to 10, wherein the TXOP initiator comprises an access point device, and the TXOP responder comprises a station device;

or

the TXOP initiator and the TXOP responder are two TDLS devices that have established a tunneled direct link setup (TDLS) link.

12. A communication device, wherein the communication device is a TXOP responder, wherein the TXOP responder comprises:

a first processing module, configured to reply with a Block Ack frame to the TXOP initiator in response to data sent by a TXOP initiator in a first TXOP; wherein the Block Ack frame comprises at least one of a first identifier and a first identification field;

the first identifier identifies whether the TXOP responder requests the TXOP initiator to share part of transmission time of the first TXOP for transmission of low-latency service data; and

the first identification field identifies a duration required for the TXOP responder to transmit the low-latency service data.

13. A communication device, wherein the communication device is a TXOP initiator, wherein the TXOP initiator comprises:

a second processing module, configured to receive a Block Ack frame sent by a TXOP responder during a process of sending data to the TXOP responder in a first TXOP; wherein the Block Ack frame comprises at least one of a first identifier and a first identification field;

the first identifier identifies whether the TXOP responder requests the TXOP initiator to share

part of transmission time of the first TXOP for transmission of low-latency service data; and

the first identification field identifies a duration required for the TXOP responder to transmit the low-latency service data.

14. A communication device, wherein the communication device is a TXOP responder, and comprises:

one or more processors;

wherein the TXOP responder is configured to execute the communication method according to any one of claims 1 to 6.

15. A communication device, wherein the communication device is a TXOP initiator, and comprises:

one or more processors;

wherein the TXOP initiator is configured to execute the communication method according to any one of claims 7 to 11.