

What is claimed is:

1. A contention window adjustment method, comprising:

receiving indication information sent by a base station, wherein the indication information is used for indicating results of demodulating transmitted data by the base station in hybrid automatic repeat request, HARQ, processes corresponding to a reference time domain resource when channel access is performed at a first moment; and

adjusting a size of a contention window corresponding to a second moment according to the indication information, wherein the first moment is earlier than the second moment, and wherein the indication information comprises downlink control information of an uplink grant, or downlink feedback information, DFI.

~~2. The method of claim 1, wherein the indication information comprises downlink control information of an uplink grant, or downlink feedback information, DFI.~~

~~32.~~ The method of claim ~~21~~, wherein adjusting the size of the contention window corresponding to the second moment according to the indication information comprises one of the following that:

in response to the DFI in the indication information indicating an acknowledgement, ACK, corresponding to at least one HARQ process of the HARQ processes corresponding to the reference time domain resource, using a minimum value of the contention window within a value range corresponding to an access level corresponding to channel access performed at the second moment as a value of the contention window corresponding to the second moment;

in response to the DFI in the indication information indicating a negative acknowledgement, NACK, increasing, within a corresponding value range, a size of a content window before adjustment at the second moment corresponding to an access level corresponding to channel access performed at the second moment, and using a value of the increased contention window as a value of the contention window corresponding to the second moment; or

in response to receiving no uplink grant, UL grant, information and/or DFI within a contention window timer, using a value of a content window before adjustment at the second moment corresponding to an access level corresponding to channel access performed at the second moment as a value of the contention window for the channel access at the second moment.

~~43.~~ A contention window adjustment apparatus, comprising:

a reception module, which is configured to receive indication information sent by a base station, wherein the indication information is used for indicating results of demodulating transmitted data by the base station in hybrid automatic repeat request, HARQ, processes corresponding to a reference time domain resource when channel access is performed at a first moment; and

an adjustment module, which is configured to adjust a size of a contention window corresponding to a second moment according to the indication information, wherein the first moment is earlier than the second moment, and wherein the indication information comprises downlink control information of an uplink grant, or downlink feedback information, DFI.

~~5. The apparatus of claim 4, wherein the indication information comprises downlink control information of an uplink grant, downlink feedback information, DFI.~~

~~64.~~ The apparatus of claim ~~53~~, wherein the adjustment module is configured to adjust the size of the contention window corresponding to the second moment according to the indication information by:

in response to the DFI in the indication information indicating an acknowledgement, ACK, corresponding to at least one HARQ process of the HARQ processes corresponding to the reference time domain resource, using a minimum value of the contention window within a value range corresponding to an access level corresponding to channel access performed at the second moment as a value of the contention window corresponding to the second moment;

in response to the DFI in the indication information indicating a negative acknowledgement, NACK, increasing, within a corresponding value range, a size of a content window before adjustment at the second moment corresponding to an access level corresponding to channel access performed at the second moment, and using a value of the increased contention window as a value of the contention window corresponding to the second moment; or

in response to receiving no uplink grant, UL grant, information and/or DFI within a contention window timer, using a value of a content window before adjustment at the second moment corresponding to an access level corresponding to channel access performed at the second moment as a value of the contention window for the channel access at the second moment.

~~75.~~ A storage medium having a computer program stored thereon, wherein the computer program is configured to, when executed, perform the method of ~~any one of claims 1 to 3~~claim 1 or 2.