

CLAIMS

What is claimed is:

1. A hybrid automatic repeat request (HARQ) feedback method, comprising:

receiving a first-service data transmission from a base station, wherein schedule control data of the first-service data transmission carries indication information, and the indication information is configured to explicitly or implicitly indicate that second-service data preempts a transmission resource of first-service data or the second-service data preempts a transmission resource position of the first-service data;

retaining the second-service data preempting the transmission resource in a cache according to the indication information, and generating HARQ feedback information of the first-service data; and

sending the HARQ feedback information to the base station.

2. The method according to claim 1, wherein the receiving a first-service data transmission from a base station comprises:

receiving two first-service data transmissions from the base station, a time interval between the two first-service data transmissions being less than a transmission latency in a non-adaptive HARQ feedback mode;

wherein the indication information is carried in the schedule control data of a later first-service data transmission, and the indication information is configured to explicitly or implicitly indicate that the second-service data preempts the transmission resource of the first-service data or the second-service data preempts the transmission resource position of the first-service data in an earlier first-service data transmission.

3. The method according to claim 1, wherein the generating HARQ feedback information of the first-service data comprises:

generating the HARQ feedback information based on a transmission success or failure state of data in the first-service data transmission other than the second-service data preempting the transmission resource; or

setting a transmission success or failure state of the second-service data preempting the

transmission resource as transmission success, and generating the HARQ feedback information based on transmission success or failure states of all the data in the first-service data transmission.

4. The method according to claim 1, wherein when the indication information is configured to explicitly or implicitly indicate that the second-service data preempts the transmission resource of the first-service data, the retaining the second-service data preempting the transmission resource in a cache and generating HARQ feedback information of the first-service data comprises:

retaining all the data that fails to be transmitted in the cache, identifying the first-service data that fails to be transmitted from the retained data, and generating the HARQ feedback information based on the first-service data that fails to be transmitted.

5. The method according to claim 1, wherein the schedule control data of the first-service data transmission carrying the indication information comprises:

scrambling the indication information to target control information in the schedule control data in a form of a scrambling code.

6. A method for sending indication information, comprising:

judging whether second-service data preempts a transmission resource of first-service data; if the second-service data preempts the transmission resource of the first-service data, sending a first-service data transmission to user equipment (UE), wherein schedule control data of the first-service data transmission carries indication information, and the indication information is configured to explicitly or implicitly indicate that the second-service data preempts the transmission resource of the first-service data or the second-service data preempts a transmission resource position of the first-service data, such that the UE retains the second-service data preempting the transmission resource in a cache according to the indication information and sends HARQ feedback information of the first-service data to a base station.

7. The method according to claim 6, wherein the sending a first-service data transmission to the UE comprises:

sending two first-service data transmissions to the UE, a time interval between the two first-service data transmissions being less than a transmission latency in a non-adaptive HARQ

feedback mode;

wherein the indication information is carried in the schedule control data of a later first-service data transmission, and the indication information is configured to explicitly or implicitly indicate that the second-service data preempts the transmission resource of the first-service data or the second-service data preempts the transmission resource position of the first-service data in an earlier first-service data transmission.

8. The method according to claim 6, wherein when the indication information is configured to explicitly or implicitly indicate that the second-service data preempts the transmission resource position of the first-service data, the method further comprises:

receiving HARQ feedback information of the first-service data from the UE, wherein the HARQ feedback information comprises HARQ feedback information of the second-service data corresponding to the transmission resource position and HARQ feedback information of the first-service data corresponding to another transmission resource position; and

retransmitting, according to the HARQ feedback information of the first-service data corresponding to the other transmission resource position, the first-service data that fails to be transmitted to the UE.

9. User equipment, comprising:

a processor; and

a memory for storing instructions executable by the processor;

wherein the processor is configured to perform the HARQ feedback method as defined in any one of claims 1-5.

10. A base station, comprising:

a processor; and

a memory for storing instructions executable by the processor;

wherein the processor is configured to perform the method for sending indication information as defined in any one of claims 6-8.