

DATA TRANSMISSION METHOD BASED ON CROSS-CARRIER SCHEDULING, USER EQUIPMENT, AND BASE STATION

ABSTRACT

Embodiments of the present invention provide a data transmission method based on cross-carrier scheduling, a user equipment, and a base station. The method includes: determining a first downlink subframe according to a timing relationship of an uplink hybrid automatic repeat request HARQ of a reference uplink and downlink configuration, where the first downlink subframe is used to indicate timing of sending uplink scheduling grant information of a first uplink subframe of a scheduled cell; transmitting the uplink scheduling grant information in a subframe of a scheduling cell corresponding to the first downlink subframe, under a circumstance that the subframe of the scheduling cell corresponding to the first downlink subframe is a downlink subframe, where an uplink and downlink configuration of the scheduling cell and an uplink and downlink configuration of the scheduled cell are different; and receiving or sending uplink data in the first uplink subframe. In the present invention, under the circumstance that the uplink and downlink configuration of the scheduling cell and the uplink and downlink configuration of the scheduled cell are different, the cross-carrier scheduling may be implemented effectively.

Figure 1