

METHOD FOR COMMUNICATING DOWNLINK CONTROL INFORMATION, BASE STATION, AND USER EQUIPMENT

Abstract

A method for communicating downlink control information, a base station, and a user equipment are provided. The method includes: mapping, by a base station according to an order of OFDM symbols used by an E-PDCCH of a user equipment UE, the E-PDCCH sequentially to resource elements used to transmit the E-PDCCH in each OFDM symbol; and sending, by the base station, the E-PDCCH to the UE by using the resource elements, where the E-PDCCH and a PDSCH invoked by the E-PDCCH are frequency-division multiplexed. In the present invention, the E-PDCCH can be mapped, according to an order of OFDM symbols used by an E-PDCCH of a UE, sequentially to resource elements used to transmit the E-PDCCH in each OFDM symbol, so that different control channel elements of E-PDCCHs at different aggregation levels will not include a same E-PDCCH modulation symbol.

Figure 2