ABSTRACT

A method for sending downlink data ~~sending method~~, and a method for receiving ~~method~~ downlink data are provided~~, a device, and a storage medium~~. The method ~~comprises~~includes: sending by a base station downlink schedule information to a terminal, in which the downlink schedule information is configured to inform the terminal of configuration information used to send downlink data through n antenna panels of the base station and comprises a hybrid automatic repeat request process number corresponding to the downlink data sent through each of the n antenna panels, where n is an integer greater than 1; and sending by the base station the downlink data to the terminal through the n antenna panels~~a base station sending downlink scheduling information to a terminal, the downlink scheduling information notifying the terminal of configuration information used by n panel antennas of the base station for sending downlink data, the downlink scheduling information comprising respective HARQ process numbers corresponding to the n panel antennas for sending the downlink data, and n being an integer greater than 1; the base station sending the downlink data to the terminal via the n panel antennas; and the terminal receiving the downlink data according to the downlink scheduling information. The present disclosure provides a HARQ process solution for multiple panel antennas, such that HARQ process numbers respectively corresponding to downlink data sent by the multiple panel antennas enable the terminal to differentiate the data and thus accurately find initially sent data corresponding to a specific piece of re-transmitted data, thereby achieving merged reception and decoding of the initially sent data and the re-transmitted data, and improving the throughput~~.

FIG. 2