

ABSTRACT

The present application discloses a downlink channel receiving method and a terminal device, including: receiving, by a terminal device, first downlink authorization information and second downlink authorization information that are sent by a network device, where the first
5 downlink authorization information is used to indicate that the terminal device receives a first physical downlink shared channel PDSCH in a first time unit, the second downlink authorization information is used to indicate that the terminal device receives a second PDSCH in a second time unit, at least one symbol of the first time unit and at least one symbol of the second time unit overlap in a time domain, and the terminal device is a terminal device in an
10 idle state; determining, by the terminal device, according to a RNTI used to scramble the first downlink authorization information and the second downlink authorization information, a PDSCH that is preferentially decoded from the first PDSCH and the second PDSCH. Therefore, downlink data channels corresponding to downlink control channels scrambled with different RNTIs may be effectively decoded when at least one symbol of transmission time units of the
15 downlink data channels overlaps in the time domain, so that a reception performance of the downlink data channels is improved.

FIG. 2