

ABSTRACT OF THE DISCLOSURE

BASE STATION, MOBILE STATION, AND
COMMUNICATION METHOD

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A base station for retransmitting a transmission packet in response to a retransmission request for the transmission packet from a mobile station includes a retransmission control unit
10 configured to receive the retransmission request from the mobile station; a scheduling unit configured to determine an available packet size on the same logical channel as used for the transmission packet, when channel quality at the
15 time of retransmitting the transmission packet in response to the retransmission request is improved compared to channel quality at the time of initially transmitting the transmission packet; a
segmentation/concatenation unit configured to
20 segment a packet to be transmitted on the same logical channel as used for the transmission packet based on the available packet size determined by the scheduling unit; and a multiplexing unit configured to multiplex the transmission packet to be
25 retransmitted and the packet segmented by the segmentation/concatenation unit.

Figure 7



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