

ABSTRACT

BASE STATION, COMMUNICATION TERMINAL,
TRANSMISSION METHOD AND RECEPTION METHOD

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A base station includes: means configured to manage frequency blocks; means configured to determine, for each frequency block, scheduling information for assigning one or more resource
10 blocks to a communication terminal being in a good channel state; means configured to generate a control channel including the scheduling information for each frequency block; and means configured to frequency multiplexing control channels within the
15 system frequency band and to transmit it. In addition, the base station transmits the control channel by separating a non-specific control channel to be decoded by a non-specific communication terminal and a specific control channel to be
20 decoded by a communication terminal to which one or more resource blocks are assigned.

FIG. 9