

USER EQUIPMENT TERMINAL, BASE STATION, AND UPLINK
CONTROL CHANNEL CONFIGURATION METHOD

ABSTRACT

5 A user equipment terminal for transmitting
an uplink control channel to a base station
according to a single carrier scheme includes a
reception determining unit configured to determine
10 reception of data, which are transmitted from the
base station according to scheduling, and generate a
reception determination result as first control
information; and a control information multiplexing
15 unit configured to assign the first control
information to a first radio resource positioned at
an end of a system band and assign second control
information, which is transmitted with a radio
resource dedicated to the user equipment terminal,
20 to a predetermined position in a second radio
resource adjacent to the first radio resource, to
multiplex the first control information and the
second control information into the uplink control
channel. The present invention also relates to a
25 base station and an uplink control channel
configuration method.

Figure 1