

BASE STATION, TERMINAL, BAND ALLOCATION METHOD, AND
DOWNLINK DATA COMMUNICATION METHOD

5

ABSTRACT

Provided are a base station, a terminal, a band allocation method,
and a downlink data communication method with which bands can be
efficiently allocated. In a base station (200) in which a plurality of unit
10 bands can be allocated to a single communication, when a data receiver
(260) acquires terminal capability information transmitted by a terminal
(100) in the initial access unit band and the bandwidth available for
communication indicated by the terminal capability information can
accommodate a plurality of unit bands, a unit band group which includes the
15 initial access unit band as well as the unit bands adjacent thereto is
allocated to the terminal (100), and a communication band movement
indication, which indicates the movement of the center frequency in the
communication band of the terminal (100) toward the center frequency in
the unit band group, is transmitted to the terminal (100) using the initial
20 access unit band.

Figure 6