

CLAIMS

1. A terminal comprising:

a receiver that receives radio resource control (RRC) signaling including
5 information about a frequency block of a plurality of blocks on a carrier,
the information about the frequency block being at least one of
information about a downlink bandwidth part formed with continuous
resource blocks and information about an uplink bandwidth part formed
with continuous resource blocks; and

10 a processor that configures, based on the information about the frequency
block, a bandwidth of the frequency block, a subcarrier spacing of the
frequency block that is different from a subcarrier spacing of another
block among the plurality of blocks, and a cyclic prefix length.

2. The terminal according to claim 1,

15 wherein the processor controls at least one of downlink communication and
uplink communication in the frequency block based on the bandwidth
of the frequency block, the subcarrier spacing and the cyclic prefix
length.

3. The terminal according to claim 2,

20 wherein the receiver receives downlink control information including
assignment information of a downlink shared channel or an uplink
shared channel in the frequency block.

4. The terminal according to claim 1,

wherein the receiver receives downlink control information including assignment information of a downlink shared channel or an uplink shared channel in the frequency block.

5. The terminal according to claim 4,

5 wherein the downlink control information indicates the frequency block assigned to one of the downlink shared channel and the uplink shared channel.

6. The terminal according to claim 1,

wherein the plurality of blocks includes frequency blocks having different bandwidths,
10 the frequency blocks including frequency blocks having a bandwidth of 2.5 MHz or less and frequency blocks having a bandwidth of greater than 2.5 MHz.

7. A radio communication method for a terminal, comprising:

receiving radio resource control (RRC) signaling including information about a frequency block of a plurality of blocks on a carrier, the information about the frequency block being at least one of information about a downlink bandwidth part
15 formed with continuous resource blocks and information about an uplink bandwidth part formed with continuous resource blocks; and
configuring, based on the information about the frequency block, a bandwidth of the frequency block, a subcarrier spacing of the frequency block that is different from
20 a subcarrier spacing of another block among the plurality of blocks, and a cyclic prefix length.

8. A base station comprising:

a transmitter that transmits radio resource control (RRC) signaling including information about a frequency block of a plurality of blocks on a carrier, for a terminal, the information about the frequency block being at least one of information about a downlink bandwidth part formed with continuous resource blocks and information about an uplink bandwidth part formed with continuous resource blocks; and

a processor that configures, based on the information about the frequency block, a bandwidth of the frequency block, a subcarrier spacing of the frequency block that is different from a subcarrier spacing of another block among the plurality of blocks, and a cyclic prefix length, for the terminal.

9. A system comprising a base station and a terminal, wherein:

the base station comprises:

a transmitter that transmits radio resource control (RRC) signaling including information about a frequency block of a plurality of blocks on a carrier, for a terminal, the information about the frequency block being at least one of information about a downlink bandwidth part formed with continuous resource blocks and information about an uplink bandwidth part formed with continuous resource blocks; and

a processor of the base station that configures, based on the information about the frequency block, a bandwidth of the frequency block, a subcarrier spacing of the frequency block that is different from a subcarrier spacing of another block among the plurality of blocks, and a cyclic prefix length, for the terminal, and

the terminal comprises:

a receiver that receives the RRC signaling; and
a processor of the terminal that configures, based on the information about the frequency block, the bandwidth of the frequency block, the subcarrier spacing of the frequency block, and the cyclic prefix length.