

Claims

[Claim 1]

A terminal apparatus comprising:

a receiver configured to receive random access configuration information configuring multiple Physical Random Access Channel (PRACH) resources for multiple blocks through a higher layer, and to receive a Physical Downlink Control Channel (PDCCH) order including mask index information determining a subset of the multiple PRACH resources available for transmission of a random access preamble, the subset of the multiple PRACH resources being contained within PRACH resources associated with one block from the multiple blocks, among the multiple PRACH resources; and

a transmitter configured to transmit the random access preamble on a PRACH resource out of the subset of the PRACH resources, wherein

each of the multiple blocks includes four Orthogonal Frequency Division Multiplexing (OFDM) symbols, in which at least a synchronization signal and a physical broadcast channel are included.

[Claim 2]

A base station apparatus comprising:

a transmitter configured to transmit random access configuration information configuring multiple Physical Random Access Channel (PRACH) resources for multiple blocks through a higher layer, and to transmit a Physical Downlink Control Channel (PDCCH) order including mask index information determining a subset of the multiple PRACH resources available for transmission of a random access preamble, the subset of the multiple PRACH resources being contained within PRACH resources associated with one block from the multiple blocks, among the multiple PRACH resources; and

a receiver configured to receive the random access preamble on a PRACH resource out of the subset of the PRACH resources, wherein

each of the multiple blocks includes four Orthogonal Frequency Division Multiplexing (OFDM) symbols, in which at least a synchronization signal and a physical broadcast channel are included.

[Claim 3]

A communication method used for a base station apparatus, the communication method comprising:

transmitting random access configuration information configuring multiple Physical Random Access Channel (PRACH) resources for multiple blocks through a higher layer;

transmitting a Physical Downlink Control Channel (PDCCH) order including mask index information determining a subset of the multiple PRACH resources available for transmission of a random access preamble, the subset of the multiple PRACH resources being contained within PRACH resources associated with one block from the multiple blocks, among the multiple PRACH resources; and

receiving the random access preamble on a PRACH resource out of the subset of the PRACH resources, wherein

each of the multiple blocks includes four Orthogonal Frequency Division Multiplexing (OFDM) symbols, in which at least a synchronization signal and a physical broadcast channel are included.