

CLAIMS

1. A terminal apparatus comprising:
 - a transmission unit configured to and/or programmed to transmit a random access preamble on a Physical Random Access Channel (PRACH) to a base station apparatus, and
 - a reception unit configured to and/or programmed to receive downlink control information with Cyclic Redundancy Check (CRC) parity bits scrambled by a Random Access – Radio Network Temporary Identifier (RA-RNTI) from the base station apparatus, wherein
 - the RA-RNTI is determined at least based on an index of an Orthogonal Frequency-Division Multiplexing (OFDM) symbol at which the PRACH starts, and
 - the random access preamble on the PRACH is transmitted based on a PRACH mask index included in a Physical Downlink Control Channel (PDCCH) order.
2. The terminal apparatus according to Claim 1, wherein
 - the index of the OFDM symbol is one of 14 indices of 14 OFDM symbols.
3. The terminal apparatus according to Claim 1, wherein
 - the PRACH consists of contiguous subcarriers.
4. A base station apparatus comprising:
 - a reception unit configured to and/or programmed to receive a random access preamble on a Physical Random Access Channel (PRACH) , the random access preamble being transmitted from a terminal apparatus based on a PRACH mask index included in a Physical Downlink Control Channel (PDCCH) order , and

a transmission unit configured to and/or programmed to transmit downlink control information with Cyclic Redundancy Check (CRC) parity bits scrambled by a Random Access – Radio Network Temporary Identifier (RA-RNTI) to the terminal apparatus, wherein

the RA-RNTI is determined at least based on an index of an Orthogonal Frequency-Division Multiplexing (OFDM) symbol at which the PRACH starts.

5. The base station apparatus according to Claim 4, wherein
the index of the OFDM symbol is one of 14 indices of 14 OFDM symbols.
6. The base station apparatus according to Claim 4, wherein
the PRACH consists of contiguous subcarriers.
7. A communication method of a terminal apparatus, the communication method comprising the steps of:
transmitting a random access preamble on a Physical Random Access Channel (PRACH) to a base station apparatus ;and
receiving downlink control information with Cyclic Redundancy Check (CRC) parity bits scrambled by a Random Access – Radio Network Temporary Identifier (RA-RNTI) from the base station apparatus ,wherein
the RA-RNTI is determined at least based on an index of an Orthogonal Frequency-Division Multiplexing (OFDM) symbol at which the PRACH starts, and
the random access preamble on the PRACH is transmitted based on a PRACH mask index included in a Physical Downlink Control Channel (PDCCH) order.

8. A communication method of a base station apparatus, the communication method comprising the steps of:

receiving a random access preamble on a Physical Random Access Channel (PRACH) , the random access preamble being transmitted from a terminal apparatus based on a PRACH mask index included in a Physical Downlink Control Channel (PDCCH) order ,and

transmitting downlink control information with Cyclic Redundancy Check (CRC) parity bits scrambled by a Random Access – Radio Network Temporary Identifier(RA-RNTI) to the terminal apparatus, wherein

the RA-RNTI is determined at least based on an index of an Orthogonal Frequency-Division Multiplexing (OFDM) symbol at which the PRACH starts.