

CLAIMS

1. A terminal apparatus that communicates with a base station apparatus comprising:
receiving circuitry configured to receive a radio resource control message
comprising first information used for indicating a periodicity,
the receiving circuitry configured to receive, a downlink control information
(DCI) format with Cyclic Redundancy Check (CRC) scrambled by a first
Radio Network Temporary Identifier (RNTI) which is different from a
cell-RNTI (C-RNTI), the DCI format comprising second information; and
transmitting circuitry configured to perform, based on the first information and the
DCI format with the CRC scrambled by the first RNTI, a transmission on
a physical uplink shared channel (PUSCH) in a symbol within a slot,
wherein
an index of the symbol in which the transmission on the PUSCH is performed is
indicated by the second information,
and
an index of the slot in which the transmission on the PUSCH is performed is
derived based on a timing relationship between the DCI format and the
PUSCH, which is indicated by the second information.
2. A terminal apparatus that communicates with a base station apparatus
comprising:
receiving circuitry configured to receive a radio resource control message
including first information used for indicating a periodicity,
the receiving circuitry configured to receive a radio resource control message
including second information used for indicating a slot offset value,
the receiving circuitry configured to receive a radio resource control message
including third information used for indicating an index of a symbol; and

- transmitting circuitry configured to perform, based on the first information, the second information and the third information, a transmission on a physical uplink shared channel (PUSCH) in the symbol, wherein the index of the symbol in which the transmission on the PUSCH is performed is within a slot given by the first information and the second information.
3. A base station apparatus that communicates with a terminal apparatus comprising: transmitting circuitry configured to transmit a radio resource control message comprising first information used for indicating a periodicity, the transmitting circuitry configured to transmit, a downlink control information (DCI) format with Cyclic Redundancy Check (CRC) scrambled by a first Radio Network Temporary Identifier (RNTI) which is different from a cell- RNTI (C-RNTI), the DCI format comprising second information ; and receiving circuitry configured to perform, based on the first information and the DCI format with the CRC scrambled by the first RNTI, a reception on a physical uplink shared channel (PUSCH) in a symbol within a slot, wherein an index of the symbol in which the reception on the PUSCH is performed is indicated by the second information, and an index of the slot in which the reception on the PUSCH is performed is derived based on a timing relationship between the DCI format and the PUSCH, which is indicated by the second information.
4. A base station apparatus that communicates with a terminal apparatus comprising: transmitting circuitry configured to transmit a radio resource control message including first information used for indicating a periodicity, the transmitting circuitry configured to transmit a radio resource control message including second information used for indicating a slot offset value,

- the transmitting circuitry configured to transmit a radio resource control message including third information used for indicating an index of a symbol; and receiving circuitry configured to perform, based on the first information and the second information and the third information, a reception on a physical uplink shared channel (PUSCH) in the symbol, wherein the index of the symbol in which the reception on the PUSCH is performed is within a slot given by the first information and the second information.
5. A communication method of a terminal apparatus that communicates with a base station apparatus comprising:
receiving a radio resource control message comprising first information used for indicating a periodicity;
receiving, a downlink control information (DCI) format with Cyclic Redundancy Check (CRC) scrambled by a first Radio Network Temporary Identifier (RNTI) which is different from a cell-RNTI (C-RNTI), the DCI format comprising second information; and
performing, based on the first information and the DCI format with the CRC scrambled by the first RNTI, a transmission on a physical uplink shared channel (PUSCH) in a symbol within a slot, wherein an index of the symbol in which the transmission on the PUSCH is performed is indicated by the second information, and
an index of the slot in which the transmission on the PUSCH is performed is derived based on a timing relationship between the DCI format and the PUSCH, which is indicated by the second information.
6. A communication method of a base station apparatus that communicates with a terminal apparatus comprising:
transmitting a radio resource control message comprising first information used for indicating a periodicity;

transmitting, a downlink control information (DCI) format with Cyclic Redundancy Check (CRC) scrambled by a first Radio Network Temporary Identifier (RNTI) which is different from a cell-RNTI (C-RNTI), the DCI format comprising second information; and

performing, based on the first information and the DCI format with the CRC scrambled by the first RNTI, a reception on a physical uplink shared channel (PUSCH) in a symbol within a slot, wherein

an index of the symbol in which the reception on the PUSCH is performed is indicated by the second information, and

an index of the slot in which the reception on the PUSCH is performed is derived based on a timing relationship between the DCI format and the PUSCH, which is indicated by the second information.