

What is claimed is:

1. A terminal (20) comprising:

a receiving section (203) adapted to receive, via higher layer signaling, configuration information regarding a physical uplink control channel, PUCCH, resource set containing one or more PUCCH resources; and

a control section (401) adapted to determine a PUCCH resource associated with a value of a field in downlink control information, characterized in that

the field comprises three bits, eight values of the field are respectively associated with eight PUCCH resources, and

if a number M of PUCCH resources contained in the PUCCH resource set is less than eight, then the control section (401) is adapted to determine the PUCCH resource, associated with the value, from a first through M-th PUCCH resources out of the eight PUCCH resources.

2. The terminal (20) according to claim 1, wherein the configuration information indicates a plurality of PUCCH resource sets, and

a minimum number of PUCCH resources included in each of the plurality of PUCCH resource sets is one.

3. The terminal (20) according to claim 1, wherein the control section (401) is adapted to assume that the value of the field does not exceed the number M of PUCCH resources.

4. A radio communication method for a terminal (20) comprising:

receiving, via higher layer signaling, configuration information regarding a physical uplink control channel, PUCCH, resource set containing one or more PUCCH resources; and

determining a PUCCH resource associated with a value of a field in downlink control information, characterized in that

the field comprises three bits, eight values of the field are respectively associated with eight PUCCH resources, and

if a number M of PUCCH resources contained in the PUCCH resource set is less than eight, then the terminal (20) determines the PUCCH resource, associated with the value, from a first through M-th PUCCH resources out of the eight PUCCH resources.

5. A base station (10) comprising:

a transmitting section (103) adapted to transmit, via higher layer signaling, configuration information regarding a physical uplink control channel, PUCCH, resource set containing one or more PUCCH resources; and

a control section (301) adapted to control reception of a PUCCH transmitted by using a PUCCH resource associated with a value of a field in downlink control information, characterized in that

the field comprises three bits, eight values of the field are respectively associated with eight PUCCH resources, and

if a number M of PUCCH resources contained in the PUCCH resource set is less than eight, then the control section (301) is adapted to determine the PUCCH resource, associated with the value, from a first through M-th PUCCH resources out of the eight PUCCH resources.

6. A system comprising a terminal (20) and a base station (10), wherein:

the terminal (20) comprises:

a receiving section (203) adapted to receive, via higher layer signaling, configuration information regarding a physical uplink control channel, PUCCH, resource set containing one or more PUCCH resources; and

a control section (401) adapted to determine a PUCCH resource associated with a value of a field in downlink control information, wherein

the field comprises three bits, eight values of the field are respectively associated with eight PUCCH resources, and

if a number M of PUCCH resources contained in the PUCCH resource set is less than eight, then the control section (401) is adapted to determine the PUCCH resource, associated with the value, from a first through M-th PUCCH resources out of the eight PUCCH resources, and

the base station (10) comprises:

a transmitting section (103) adapted to transmit, via higher layer signaling, the configuration information; and

a control section (301) adapted to control reception of the PUCCH transmitted by using the PUCCH resource associated with the value of the field in the downlink control information.