

What is claimed is:

~~{Claim 1}~~

1. A ~~user-terminal~~ comprising:

~~a transmitting section that transmits an uplink control channel in one slot or over a plurality of slots;~~

a receiving section that receives, by higher layer signaling, at least one parameter set each including information related to a frequency resource to which ~~the~~an uplink control channel is to be mapped; and

a control section that controls frequency hopping of the uplink control channel in each slot, based on the information related to the frequency resource determined based on downlink control information and the parameter set; and

a transmitting section that transmits the uplink control channel,

wherein the information related to the frequency resource includes information related to a first-hop frequency resource and information related to second and subsequent-hop frequency resources.

~~{Claim 2}~~

2. The ~~user-terminal~~ according to claim 1, wherein when the uplink control channel is transmitted over a plurality of slots,

~~the receiving section receives, through higher layer signaling, a plurality of parameter sets each including information related to the frequency resource, and~~

~~the control section controls the frequency hopping of the uplink control channel in each slot, based on information indicating which is applied between frequency hopping in each slot and frequency hopping over the plurality of slots~~one of the plurality of parameter sets specified by downlink control information.

~~{Claim 3}~~

~~— The user terminal according to claim 2, wherein~~
~~— the information related to the frequency resource includes~~
~~information indicating any of a frequency offset from a previous-~~
~~hop frequency resource, a frequency offset from a frequency~~
~~resource configured through higher layer signaling, and a~~
~~frequency offset from an edge of a frequency band configured for~~
~~the user terminal.~~

~~{Claim 4}~~

~~— The user terminal according to any one of claims 1 to 3,~~
~~wherein~~
~~— when the uplink control channel is transmitted over the~~
~~plurality of slots, the control section controls frequency hopping~~
~~of the uplink control channel in each slot, based on information~~
~~indicating which one of frequency hopping in each slot and~~
~~frequency hopping among the plurality of slots is employed.~~

~~{Claim 5}~~

3. A radio communication method for a terminal, comprising, ~~in a~~
user terminal:

~~transmitting an uplink control channel in one slot or over a~~
~~plurality of slots;~~

receiving, by higher layer signaling, at least one parameter
set each including information related to a frequency resource to
which ~~the~~an uplink control channel is to be mapped; ~~and~~

controlling frequency hopping of the uplink control channel
in each slot, based on the information related to the frequency
resource determined based on downlink control information and the
parameter set; and

transmitting the uplink control channel,

wherein the information related to the frequency resource
includes information related to a first-hop frequency resource and
information related to second and subsequent-hop frequency
resources.

4. A base station comprising:

a transmitting section that transmits, by using higher layer signaling, at least one parameter set each including information related to a frequency resource to which an uplink control channel is to be mapped; and

a control section that determines, based on the information related to the frequency resource determined based on downlink control information and the parameter set, frequency hopping to be applied to the uplink control channel in each slot,

wherein the information related to the frequency resource includes information related to a first-hop frequency resource and information related to second and subsequent-hop frequency resources.

5. A system comprising a terminal and a base station, wherein the terminal comprises:

a receiving section that receives, by higher layer signaling, at least one parameter set each including information related to a frequency resource to which an uplink control channel is to be mapped;

a control section that controls frequency hopping of the uplink control channel in each slot, based on the information related to the frequency resource determined based on downlink control information and the parameter set; and

a transmitting section that transmits the uplink control channel, and

the base station comprises:

a transmitting section that transmits, by using the higher layer signaling, the at least one parameter set; and

a control section that determines, based on the information related to the frequency resource determined based on the downlink control information and the parameter set, frequency hopping to be applied to the uplink control channel in the each slot,

wherein the information related to the frequency resource includes information related to a first-hop frequency resource and information related to second and subsequent-hop frequency resources.