

CLAIMS

1. A terminal comprising:
 - a reception section that receives a downlink shared channel that is scheduled by first downlink control information; and
 - a control section that, when the terminal transmits an uplink shared channel over multiple slots and at least one slot of the multiple slots overlaps with a slot in which the terminal transmits a transmission acknowledgement signal for the downlink shared channel, controls to map the transmission acknowledgement signal in transmission of the uplink shared channel in a specific slot of the multiple slots,
 - wherein the control section applies, in each of the multiple slots, intra-slot frequency hopping to the uplink shared channel, and
 - wherein the control section maps, in each of the multiple slots, a demodulation reference signal to a first symbol of each of an uplink shared channel domain of a first hop and an uplink shared channel domain of a second hop.
2. The terminal according to claim 1, wherein the control section determines the specific slot based on the first downlink control information.
3. The terminal according to claim 1, wherein the control section determines allocation of the uplink shared channel based on second downlink control information and higher layer signaling.
4. The terminal according to claim 2, wherein the control section determines allocation of the uplink shared channel based on second downlink control information and higher layer

signaling.

5. A radio communication method for a terminal, comprising:

receiving a downlink shared channel that is scheduled by first downlink control information; and

when the terminal transmits an uplink shared channel over multiple slots and at least one slot of the multiple slots overlaps with a slot in which the terminal transmits a transmission acknowledgement signal for the downlink shared channel, controlling to map the transmission acknowledgement signal in transmission of the uplink shared channel in a specific slot of the multiple slots;

applying, in each of the multiple slots, intra-slot frequency hopping to the uplink shared channel; and

mapping, in each of the multiple slots, a demodulation reference signal to a first symbol of each of an uplink shared channel domain of a first hop and an uplink shared channel domain of a second hop.

6. A base station comprising:

a transmission section that transmits a downlink shared channel that is scheduled by first downlink control information; and

a control section that, when a terminal transmits an uplink shared channel over multiple slots and at least one slot of the multiple slots overlaps with a slot in which the terminal transmits a transmission acknowledgement signal for the downlink shared channel, controls to receive the transmission acknowledgement signal that is mapped in transmission of the uplink shared channel in a specific slot of the multiple slots,

wherein, in each of the multiple slots, intra-slot frequency hopping is applied to the

uplink shared channel, and

wherein, in each of the multiple slots, a demodulation reference signal is mapped to a first symbol of each of an uplink shared channel domain of a first hop and an uplink shared channel domain of a second hop.

7. A system comprising a terminal and a base station, wherein:

the terminal comprises:

a reception section that receives a downlink shared channel that is scheduled by first downlink control information; and

a first control section that, when the terminal transmits an uplink shared channel over multiple slots and at least one slot of the multiple slots overlaps with a slot in which the terminal transmits a transmission acknowledgement signal for the downlink shared channel, controls to map the transmission acknowledgement signal in transmission of the uplink shared channel in a specific slot of the multiple slots,

wherein the first control section applies, in each of the multiple slots, intra-slot frequency hopping to the uplink shared channel, and

wherein the first control section maps, in each of the multiple slots, a demodulation reference signal to a first symbol of each of an uplink shared channel domain of a first hop and an uplink shared channel domain of a second hop; and

the base station comprises:

a transmission section that transmits the downlink shared channel; and

a second control section that controls to receive the transmission acknowledgement signal.