

CLAIMS

1. A terminal device comprising:
 - selection circuitry configured to select a physical uplink control channel (PUCCH) resource used to transmit a scheduling request, from a first PUCCH resource in a first subframe in a first serving cell and a second PUCCH resource in the first subframe in a second serving cell; and
 - transmission circuitry configured to transmit Hybrid Automatic Repeat reQuest ACKnowledgement (HARQ-ACK) by using a predetermined PUCCH format, in the first subframe in the first serving cell;
 - wherein in a case that the PUCCH resource is selected in the first serving cell, the transmission circuitry is configured
 - to transmit, in the first subframe in the first serving cell, the HARQ-ACK using the predetermined PUCCH format and the scheduling request, and
 - not to transmit, in the first subframe in the second serving cell, the scheduling request using a PUCCH format 1, and
 - in a case that the PUCCH resource is selected in the second serving cell, the transmission circuitry is configured to
 - transmit, in the first subframe in the second serving cell, the HARQ-ACK using the predetermined PUCCH format and the scheduling request, and
 - transmit, in the first subframe in the second serving cell, the scheduling request using the PUCCH format 1.

2. A communication method to be used by a terminal device, the method comprising the steps of:
 - selecting a physical uplink control channel (PUCCH) resource used to transmit a scheduling request, from a first PUCCH resource in a first subframe in a first serving cell and a second PUCCH resource in the first subframe in a second serving cell; and
 - transmitting Hybrid Automatic Repeat reQuest ACKnowledgement (HARQ-ACK) by using a predetermined PUCCH format, in the first subframe in the first serving cell; wherein
 - in a case that the PUCCH resource is selected in the first serving cell, transmitting, in the first subframe in the first serving cell, the

HARQ-ACK using the predetermined PUCCH format and the scheduling request, and
not transmitting, in the first subframe in the second serving cell, the
scheduling request using a PUCCH format 1, and
in a case that the PUCCH resource is selected in the second serving cell,
transmitting, in the first subframe in the second serving cell, the
HARQ-ACK using the predetermined PUCCH format and the scheduling request, and
transmitting, in the first subframe in the second serving cell, the
scheduling request using the PUCCH format 1.