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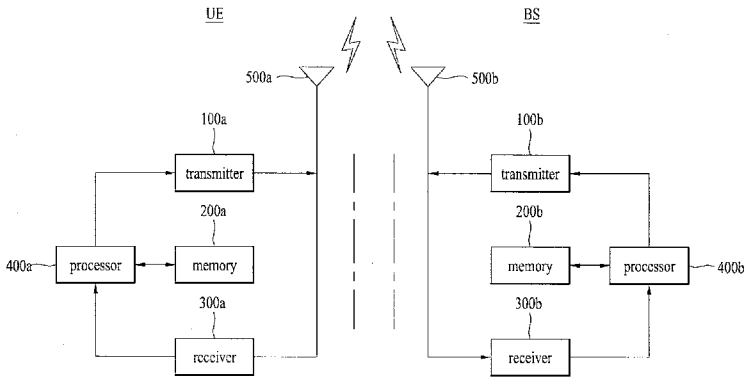
(54) Title: METHOD AND APPARATUS FOR TRANSMITTING CONTROL INFORMATION IN WIRELESS COMMUNICATION SYSTEM

FIG. 1



(57) Abstract: A method and apparatus for transmitting control information in a wireless communication system which can support carrier aggregation (CA) are provided. In the method for transmitting control information from a terminal to at least one base station, the terminal receives at least one of a Physical Downlink Control Channel (PDCCH) and a Physical Downlink Shared Channel (PDSCH) from the at least one base station through at least one serving cell configured in the terminal and transmits control information associated with reception of the PDCCH or reception of a PDSCH indicated by the PDCCH to the at least one base station, wherein each of the at least one base station uses a different uplink and downlink configuration (UL-DL configuration) and a uplink-downlink (UL-DL) configuration used in the at least one serving cell can be changed based on a timing determined according to a preset condition.

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04J 11/00; H04L 1/18; H04B 7/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: control information, uplink, downlink, serving cell, carrier aggregation

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2011-0249578 A1 (NAYEB NAZAR, SHAHROKH et al.) 13 October 2011 See the abstract; paragraphs [153]-[175]; figures 9-11.	1-20
A	US 2010-0098012 A1 (BALA, ERDEM et al.) 22 April 2010 See the abstract; paragraphs [83]-[135]; figures 5,7.	1-20
A	US 2010-0278109 A1 (PAPASAKELLARIOU, ARIS et al.) 04 November 2010 See the abstract; paragraphs [82]-[86]; figures 10-28.	1-20
A	US 2010-0322173 A1 (MARINIER, PAUL et al.) 23 December 2010 See the abstract; claims 1-9; figures 1-4.	1-20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
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