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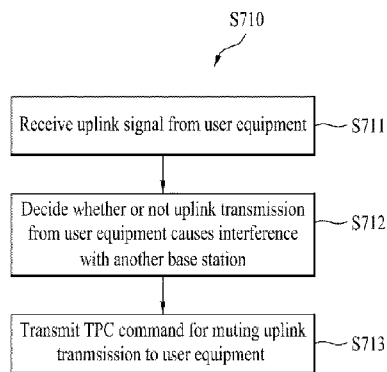
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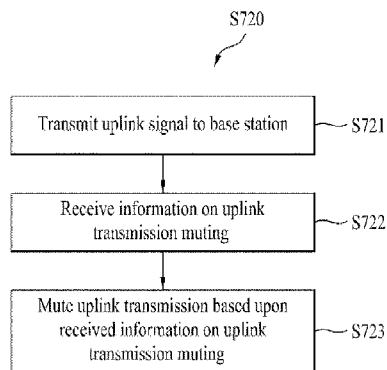
[Continued on next page]

(54) Title: DYNAMIC UPLINK POWER CONTROL METHOD AND DEVICE IN A WIRELESS COMMUNICATIONS SYSTEM

[Fig. 7]



(a)



(b)

(57) Abstract: A wireless communications system and, more particularly, to a dynamic uplink power control method and device in a wireless communications system are disclosed. A method for dynamically controlling an uplink transmission power at a base station is provided, the method includes the steps of receiving an uplink signal from a user equipment being served by the base station, deciding whether or not an uplink transmission to the base station from the user equipment causes an interference with another base station, and transmitting a transmission power control (TPC) command muting the uplink transmission to the user equipment.



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**A. CLASSIFICATION OF SUBJECT MATTER*****H04W 52/24(2009.01)i, H04W 52/16(2009.01)i***

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

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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) &amp; Keywords: power, base station, TPC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 2008-0151832 A1 (MOTOYA IWASAKI) 26 June 2008 See abstract and claims 1-30.	1-2,7,9,20-21 3-6,8,10-19
Y	US 2009-0197630 A1 (SEUNG JIN AHN et al.) 06 August 2009 See paragraph 69,79-81 and claims 1-15.	3-6,8,10-19
A	US 2006-0083161 A1 (RAJIV LARJOIA et al.) 20 April 2006 See figures 5A-5C and corresponding detailed description.	1-21
A	EP 1146760 A2 (SCOREBOARD, INC.) 17 October 2001 See abstract and claims 1-12.	1-21

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

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Information on patent family members

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