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[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR CONTROLLING UPLINK DEDICATED CHANNEL IN A MOBILE COMMUNICATION SYSTEM

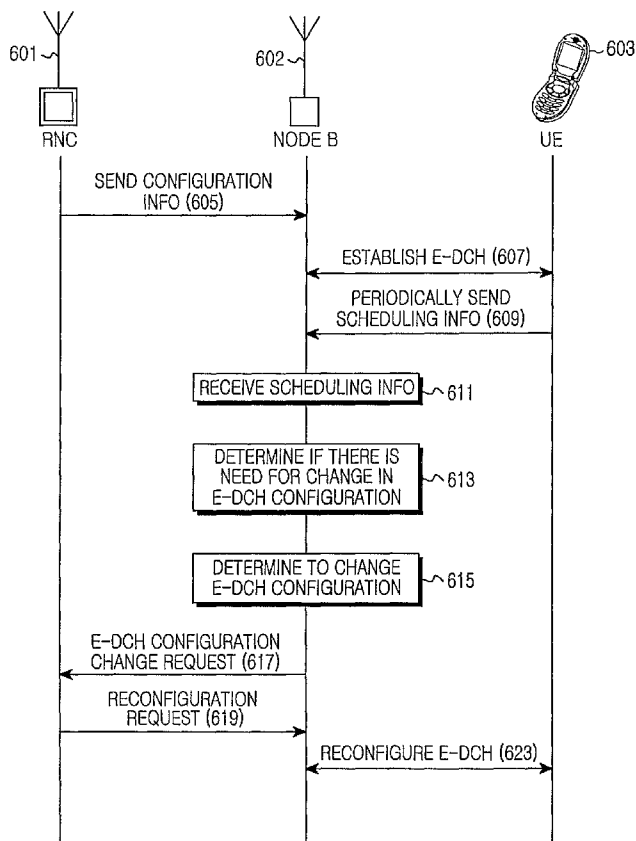


FIG.6

(57) Abstract: A method for controlling an uplink dedicated channel by a Node B in a mobile communication system. The Node B generates configuration decision information including a UE Transmission Power Headroom (UPH) included in scheduling information received from a User Equipment (UE), and determines if there is a need for a change in the uplink dedicated channel configuration information based on the configuration decision information. When there is a need for a change in the uplink dedicated channel configuration information, the Node B sends to a Radio Network Controller (RNC) the configuration decision information and a message for requesting a change in the uplink dedicated channel configuration information. The Node B receives changed uplink dedicated channel configuration information that the RNC generated based on the configuration decision information.

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC H04B

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 SINCE 1975

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

eKIPASS, DELPHION, ESPACENET &amp; Keywords : uplink dedicated channel, E-DCH, Node B, configuration decision information, and similar terms.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 7209749 B2 (KWAK, YONG-JUN et al.) 24.04.2007 See the abstract, column 14 line 61 - column 15 line 17, figure 7	1-30
A	US 7010317 B2 (HWANG, SUNG-OH et al.) 07.03.2006 See the abstract, column 33 line 29 - column 35 line 13, figures 18, 23, and 24	1-30

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

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 7209749 B2	24.04.2007	US 2004/0198369 A1	07.10.2004
US 7010317 B2	07.03.2006	US 2002/0115464 A1	22.08.2002