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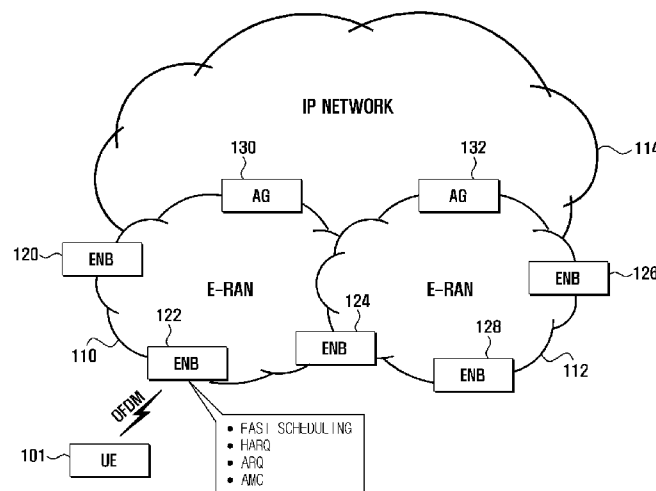
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[Continued on next page]

(54) **Title:** TRANSMISSION CONTROL METHOD FOR HARQ IN MOBILE COMMUNICATION SYSTEM

[Fig. 1]



(57) **Abstract:** A transmission control method for HARQ is provided for improving HARQ performance in a mobile communication system. The transmission control method for Hybrid Automatic Repeat reQuest (HARQ) in a mobile communication system according to the present invention includes receiving an downlink resource assignment message; determining whether configured downlink assignment has been indicated to an HARQ entity since a previously received downlink assignment for a User Equipment's (UE's) Cell-Radio Network Temporary Identifier (C-RNTI) for the same HARQ process; maintaining, if the configured downlink assignment has not been indicated to the HARQ entity, the HARQ process; and processing, if the configured downlink assignment has been indicated to the HARQ entity, the downlink resource assignment message as a resource assignment message for initial transmission.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2009/007974**A. CLASSIFICATION OF SUBJECT MATTER****H04L 1/18(2006.01)i, H04B 7/26(2006.01)i**

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)

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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) & Keywords: HARQ, RNTI, NDI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0159218 A1 (DWARAKANATH PRADEEP) 03 July 2008 See abstract; figures 1-3; and paragraphs [5]-[7].	1-6
A	US 2008-0225765 A1 (MARINIER PAUL et al.) 18 September 2008 See abstract; figures 1-2; paragraphs [37]-[43]; and claims 1,11.	1-6
A	EP 1816883 A1 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.) 08 August 2007 See abstract; figures 6-9; and claims 1,18.	1-6

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

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