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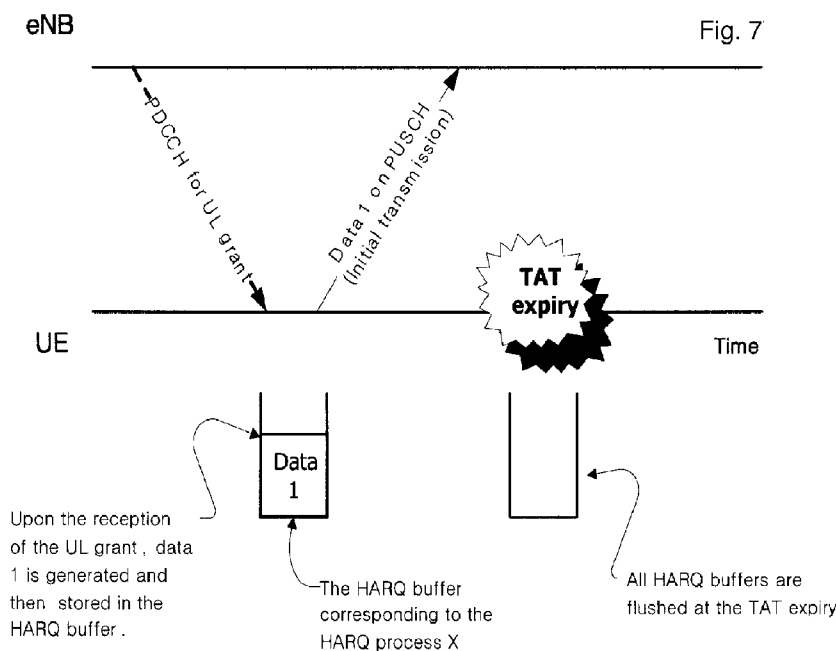
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[Continued on next page]

(54) Title: METHOD OF AN UPLINK HARQ OPERATION AT AN EXPIRY OF TIME ALIGNMENT TIMER



(57) Abstract: Disclosed is the radio (wireless) communication system providing a radio communication service and the terminal, and more particularly, to a method of an uplink HARQ (Hybrid Automatic Repeat reQuest) operation at an expiry of time alignment timer in an Evolved Universal Mobile Telecommunications System (E-UMTS) evolved from the Universal Mobile Telecommunications System (UMTS) or a Long Term Evolution (LTE) system.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER <i>H04L 1/18(2006.01)i, H04W 92/10(2009.01)i, H04W 80/00(2009.01)i</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) IPC H04B, H04L 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 Japanese 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(KIPO internal) & keywords : "HARQ,retransmis*", "buffer*"		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 2007-0097937 A1 (KEIICHI KUBOTA et al.) 03 May 2007 See abstract; figure 3; claims 1-2,7-8,17,19; and their corresponding specifications.	1,3,5-7,9,11-12 2,4,8,10,13-14
Y	KR 10-2006-0055175 A (SAMSUNG ELECTRONICS CO., LTD.) 23 May 2006 See abstract; figure 6; and claims 1,5.	1,3,5-7,9,11-12
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A	KR 10-2003-0060026 A (LG ELECTRONICS INC.) 12 July 2003 See abstract; figures 5,6,8; and claims 1,9.	1-14
☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 30 JULY 2009 (30.07.2009)		Date of mailing of the international search report 30 JULY 2009 (30.07.2009)
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Information on patent family members

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