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(54) **Title:** METHOD AND APPARATUS FOR ACCESSING IN AN EQUIPMENT OF A COMMUNICATION NETWORK

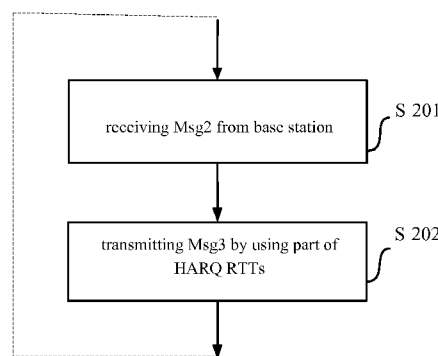


FIG. 2

(57) **Abstract:** A method of accessing in an equipment of a communication network is proposed in the invention. The method comprises the steps of: receiving a message 2 from a base station, the message 2 being used for an assignment of resource to transmit a message 3, the assigned resource corresponding to N HARQ RTTs, where $1 \leq N \leq 8$; and transmitting the message 3 only in part of the N HARQ RTTs. With the scheme of the invention, a MTC device selectively transmits the Msg3 in one/some HARQ RTT and maintains silence in another one/some HARQ RTT, thus the possibility of the occurrence of access collision with other UEs may be backed off, such that other UEs, particularly human-to-human UEs, may transmit the Msg3 normally. And the possibility of the occurrence of collision is reduced from the viewpoint of the user equipments in a network, reducing entirely the possibility of an access delay and access failure.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

See the extra sheet

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: H04L; H04W

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

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

CNABS,CNXTX,CNKI,VEN,WOTXT:HARQ, hybrid automatic repeat, RTT, round trip time, message, eNodeB, eNB, base station, access+, transmit+, send+, resource?

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 101924609 A(CHINA MOBILE COMMUNICATION CORP) 22 Dec. 2010(22.12.2010) see the description page 1 paragraphs [0003]-[0008], page 7 paragraph [0050]	1,11,12
A		2-10,13-15
A	US 2010027460 A1(SAMSUNG ELECTRONICS CO LTD) 04 Feb. 2010(04.02.2010) see the whole document	1-15

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“L” document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“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</p> <p>“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</p> <p>“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</p> <p>“&”document member of the same patent family</p>
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INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN101924609A	22.12.2010	None	
US 2010027460 A1	04.02.2010	EP2151943A2	10.02.2010
		JP2011530259W	15.12.2011
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Continuation of second sheet A. **CLASSIFICATION OF SUBJECT MATTER**

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