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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR NON-ADAPTIVE RETRANSMISSION

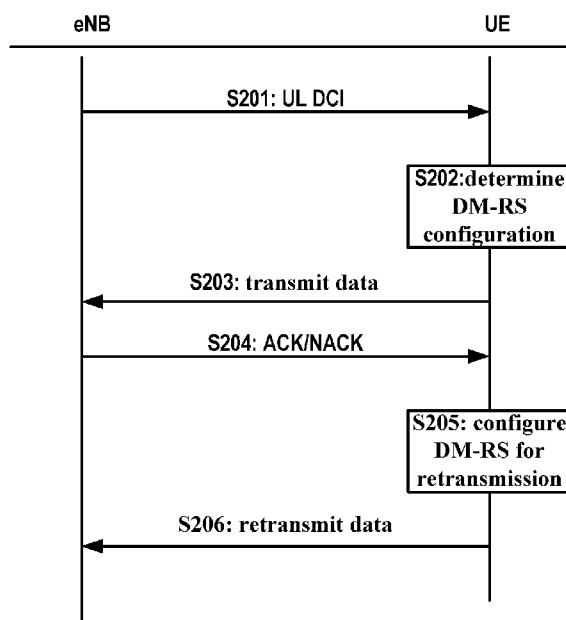


Fig.2

(57) Abstract: The present invention provides a method and apparatus for use in non-adaptive retransmission. The method comprises: configuring an uplink UL demodulation reference signal DM-RS for retransmission in response to a retransmission request. In one embodiment, the demodulation reference signal DM-RS is configured to be the same as a demodulation reference signal for an initial transmission. In another embodiment, the demodulation reference signal DM-RS is configured with respect to the number of layer(s) for retransmission according to predetermined rules for the initial transmission.

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INTERNATIONAL SEARCH REPORT

International application No.

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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,H04B

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)

CNPAT,CNKI,WPI,EPODOC: UL,UP W LINK,DM W RS,DEMODULATION,SIGNAL, CONFIGUR+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO2009/056464A1 (NOKIA SIEMENS NETWORKS OY. et al.) 07 May 2009 (07.05.2009) description page 10 line 1-page 23 line 16.	1-14
A	WO2010/051663 A1 (HUAWEI TECHNOLOGIES CO., LTD.) 14 May 2010 (14.05.2010) the whole document	1-14
A	CN101272608 A (HUAWEI TECHNOLOGIES CO., LTD.) 24 Sep.2008 (24.09.2008) the whole document	1-14

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

* Special categories of cited documents:	“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
“A” document defining the general state of the art which is not considered to be of particular relevance	“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
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“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	

Date of the actual completion of the international search 29 Dec.2011(29.12.2011)	Date of mailing of the international search report 09 Feb. 2012 (09.02.2012)
Name and mailing address of the ISA/CN The State Intellectual Property Office, the P.R.China 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451	Authorized officer WANG Peng Telephone No. (86-10)62413501

INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
WO2009/056464A1	07.05.2009	CN101911580A	08.12.2010
		EP2056515A1	06.05.2009
		US2010296465A1	15.10.2010
		INDELNP201003172E	15.10.2010
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		EP2338240A1	29.06.2011
		US2011212730A1	01.09.2011
CN101272608 A	24.09.2008	None	

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