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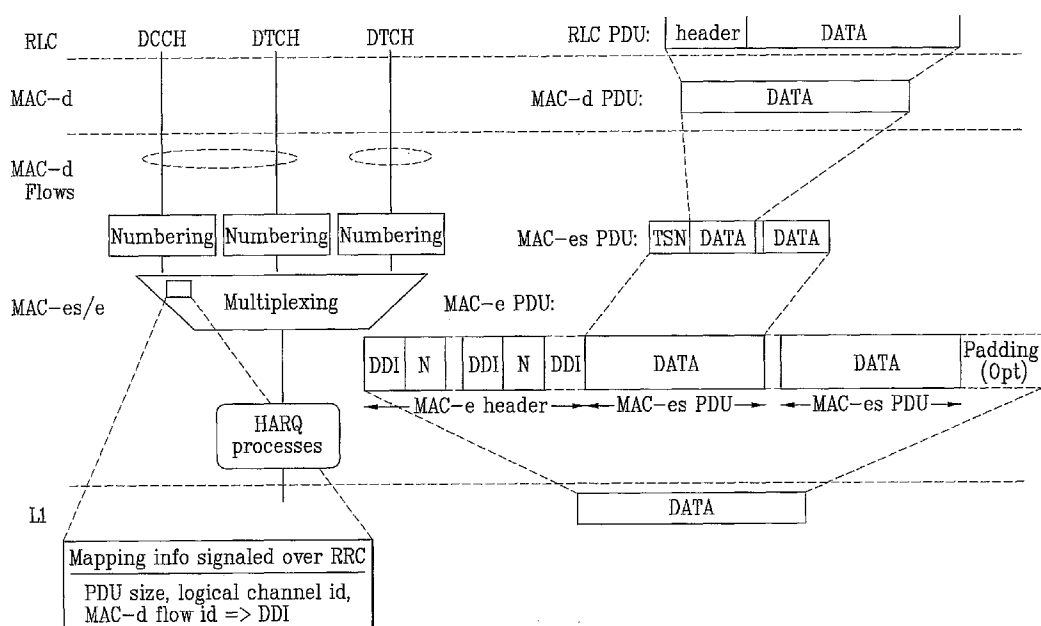
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(54) Title: A METHOD OF PROCESSING DATA IN A MEDIUM ACCESS CONTROL (MAC) LAYER



(57) Abstract: A method of processing data in a Medium Access Control (MAC) layer through which at least one first channel is mapped to a second channel in a transmitting end of a wireless communication system is disclosed. More specifically, a MAC layer data block is configured by including at least one higher layer data block received through the at least one first channel and adding a header thereto which includes at least one field which indicates at least two types of information. Furthermore, the MAC layer data block is transferred to a lower layer through the second channel.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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A. CLASSIFICATION OF SUBJECT MATTER

IPC⁸: **H04L 29/08** (2006.01); **H04L 12/56** (2006.01); **H04L 29/06** (2006.01); **H04Q 7/38** (2006.01)
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)
IPC⁸: H04L, H04Q

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)
WPI, EPODOC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LG ELECTRONICS: "MAC-e PDU Overhead Reduction", 3GPP TSG-RAN WORKING GROUP 2 REL-6 ADHOC, R2-041348, [online], 21 June 2004 (21.06.2004) [retrieved on 24 January 2007 (24.01.2007)]. Retrieved from the Internet: <URL:http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_AHs/2004_06_Rel-6/Docs/R2-041348.zip>. <i>sections 1-4, figs. 1, 2.</i>	1-7, 10-19, 22, 23, 25, 26
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X	LG ELECTRONICS: "Multiplexing Options and MAC-e PDU Overhead", 3GPP TSG-RAN WORKING GROUP 2 MEETING #42, R2-041055, [online], 10 May 2004 (10.05.2004) [retrieved on 24 January 2007 (24.01.2007)]. Retrieved from the Internet: <URL:http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_42/Docs/R2-041055.zip>. <i>sections 2-4.</i>	1-9, 13-21, 23-26
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 991 208 A2 (LG ELECTRONICS INC.) 5 April 2000 (05.04.2000) <i>abstract, figs. 1-3; paragraphs [0031]-[0060].</i>	1-3, 7, 10, 13-15, 19, 22, 23, 25, 26
A	-- NOKIA: "FDD Enhanced Uplink, some L2 issues", 3GPP TSG-RAN WORKING GROUP 2 MEETING #42, R2-040964, [online], 10 May 2004 (10.05.2004) [retrieved on 24 January 2007 (24.01.2007)]. Retrieved from the Internet: <URL:http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_42/Docs/R2-040964.zip>. <i>sections 3, 5, figs. 2-4.</i>	1, 13, 25
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A	-- WO 2004/042964 A1 (LG ELECTRONICS INC.) 21 May 2004 (21.05.2004) <i>abstract, figs. 9-11, 13; page 9, line 10 - page 13, line 5; page 19, line 21 - page 21, line 17; page 23, line 3 - page 24, line 23.</i>	1, 13, 25

INTERNATIONAL SEARCH REPORT

Information on patent family members

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