

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
14 August 2008 (14.08.2008)

PCT

(10) International Publication Number  
WO 2008/097384 A3

## (51) International Patent Classification:

*H04L 1/00 (2006.01)*      *H04L 12/28 (2006.01)*  
*H04B 7/26 (2006.01)*

## (21) International Application Number:

PCT/US2007/081492

## (22) International Filing Date: 16 October 2007 (16.10.2007)

## (25) Filing Language: English

## (26) Publication Language: English

## (30) Priority Data:

11/550,009      17 October 2006 (17.10.2006) US

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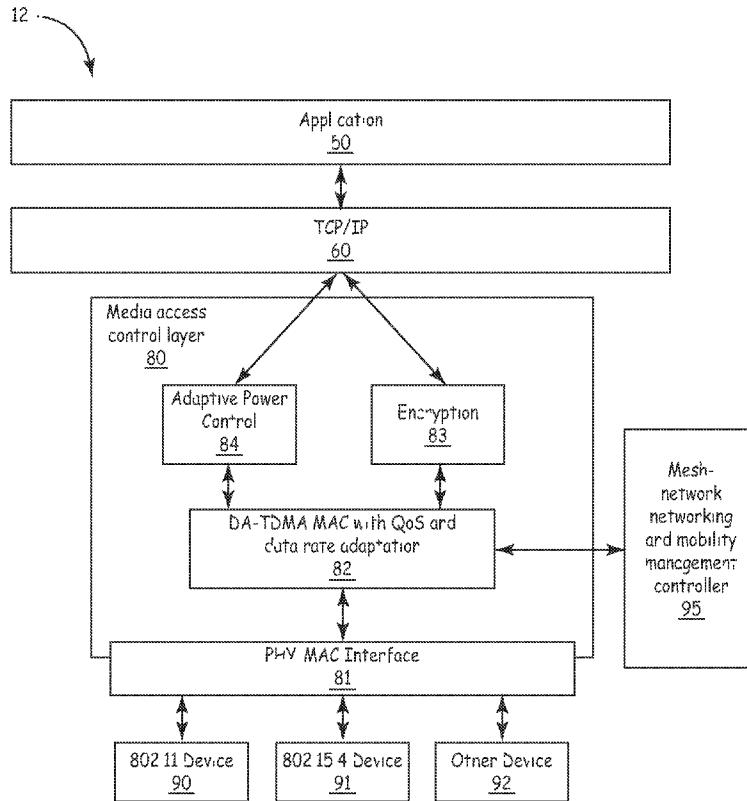
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(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

## (54) Title: DYNAMIC AUTO-RECONFIGURABLE TIME DIVISION MULTIPLE ACCESS



(57) **Abstract:** A method to dynamically reconfigure a network by receiving a data packet for transmission from a node in the network at a media access control layer of the node and determining a slot assignment for the data packet based on an application required quality of service. The application required quality of service is determined based on at least one of a number of slots required by the data packet, an application-specified data rate, an application-specified delay requirement and an application-specified number of reserved retries, and application-associated priority values for the data packet. The media access control layer is enabled for time division multiple access.

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FIG. Zk



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of **publication of the international search report:**

16 October 2008

# INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2007/081492

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> INV. H04L1/00 H04B7/26 H04L12/28		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) H04B H04L		
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 practical, search terms used) <b>EPO-Internal , WPI Data, PAJ, INSPEC</b>		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 2006/095323 A (KONINKL PHILIPS ELECTRONICS NV [NL]; CHEN RICHARD [US]; SATO TAKASHI [ ]) 14 September 2006 (2006-09-14)</p> <p>abstract</p> <p>page 1, line 22 - page 2, line 28</p> <p>page 3, lines 4,5</p> <p>page 3, lines 12-19</p> <p>page 3, lines 23-31</p> <p>page 4, lines 22-27</p> <p>page 5, line 16 - page 6, line 17</p> <p>figures</p> <p>claims</p> <p>-----</p> <p>- / --</p>	1-10
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.		<input checked="" type="checkbox"/> 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 document 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>"&amp;" document member of the same patent family</p>		
Date of the actual completion of the international search	Date of mailing of the international search report	
15 August 2008	22/08/2008	
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  De jonghe, Olivier	

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International application No  
PCT/US2007/081492

## 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 1 628 446 A (INFINEON TECHNOLOGIES AG [DE]) 22 February 2006 (2006-02-22) abstract paragraphs [0007] - [0013] paragraphs [0016] - [0030] figures claims -----	1-10

**INTERNATIONAL SEARCH REPORT**

## Information on patent family members

International application No

PCT/US2007/081492

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
wo 2006095323 A	14-09-2006	CN 101138208 A EP 1859583 A1 KR 20070117572 A	05-03-2008 28-11-2007 12-12-2007
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