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

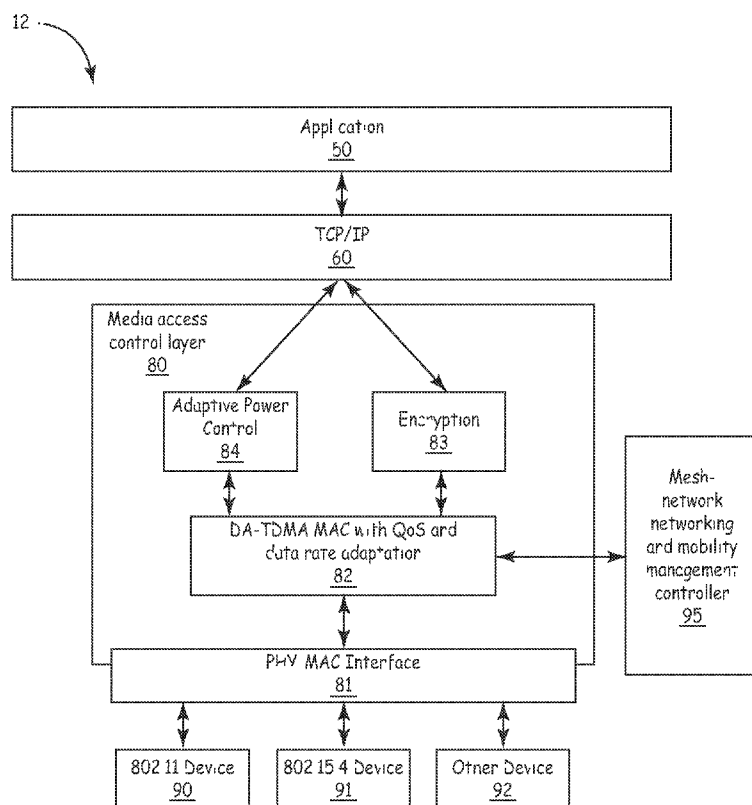


FIG. 2k

(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.



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).

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A. CLASSIFICATION OF SUBJECT MATTER

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B. REIDS SEARCHED

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)

EPO-Internal , WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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) abstract page 1, line 22 - page 2, line 28 page 3, lines 4,5 page 3, lines 12-19 page 3, lines 23-31 page 4, lines 22-27 page 5, line 16 - page 6, line 17 figures claims</p> <p style="text-align: center;">----- -/-</p>	1-10



Further documents are listed in the continuation of Box C.



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

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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