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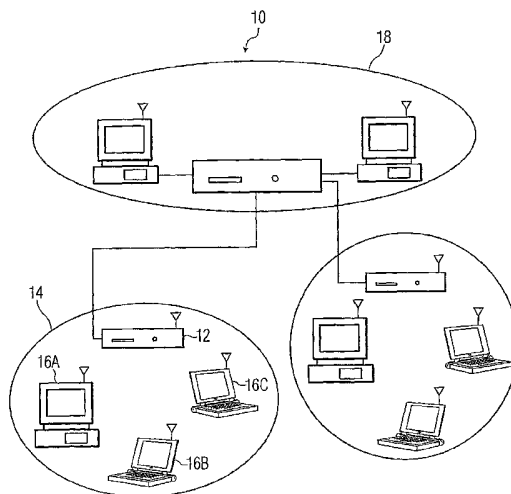
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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE,

[Continued on next page]

(54) Title: METHOD, ACCESS POINT AND PROGRAM PRODUCT FOR PROVIDING BANDWIDTH AND AIRTIME FAIRNESS IN WIRELESS NETWORKS



(57) Abstract: The present invention provides a method (100), access point (20) and program product (35) for providing airtime and bandwidth fairness in wireless networks. To provide bandwidth fairness, a more fragment bit is set in a set of packets (46C) received by an access point (20) so that the packets of the set of packets (46C) can be transmitted to its destination (46C) successively (i.e., without back-off). To provide airtime fairness, upon receiving a packet (34) destined for a wireless station (22A), the access point (20) will calculate an airtime requirement for transmitting the packet (34), set a time counter (50) based on the airtime requirement. Thereafter, it will be determined whether the packet (34) can be transmitted to wireless station 22A before the time counter (50) expires. If not, transmission of the packet (34) will either not occur, or the packet (34) will be split into a set of fragments (48) for transmission.

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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
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- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/28 H04L12/56

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 7 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 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	US 2003/133427 A1 (CIMINI LEONARD JOSEPH ET AL) 17 July 2003 (2003-07-17) paragraph '0044! - paragraph '0063! -----	1-22
X	EP 1 227 626 A (MOTOROLA, INC) 31 July 2002 (2002-07-31) paragraph '0009! - paragraph '0019! -----	1-22
E	WO 2005/011208 A (KONINKLIJKE PHILIPS ELECTRONICS, N.V; NANDAGOPALAN, SAI, SHANKAR) 3 February 2005 (2005-02-03) page 5, line 24 - page 10, line 22 -----	1-22

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- * & * document member of the same patent family

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