

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 January 2002 (24.01.2002)

PCT

(10) International Publication Number
WO 02/07355 A3

(51) International Patent Classification⁷: **H04L 12/66**,
H04N 7/15, H04B 7/212

(21) International Application Number: PCT/US01/21629

(22) International Filing Date: 9 July 2001 (09.07.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/615,542 13 July 2000 (13.07.2000) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,
MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

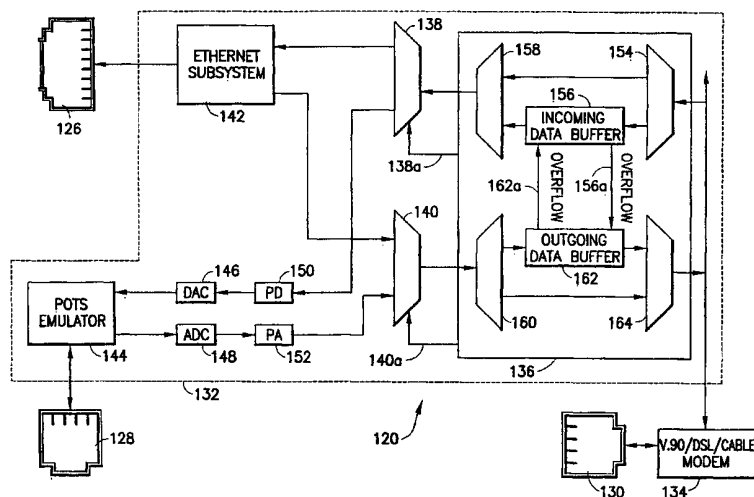
- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

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

18 April 2002

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND APPARATUS FOR PROVIDING REMOTE ACCESS TO A LOCAL AREA NETWORK AND A
PBX NETWORK VIA A SINGLE DATA LINK



(57) Abstract: Methods and apparatus for coupling a local computer and telephone set to a remote LAN and PBX system via a single data link are disclosed. At the local end, the apparatus includes a POTS emulator (144) coupled to the local phone and an ETHERNET subsystem (142) coupled to the ETHERNET port (126) of the local computer, multiplexing means (140) for multiplexing the data to/from the ETHERNET subsystem (142) and the PORTS emulator (144), and a broadband data link. At the remote end, the system includes a broadband data link, demultiplexing means for demultiplexing (138) ETHERNET and telephone data, means for coupling the ETHERNET data stream with the LAN and means for coupling the telephone data stream with the PBX. Methods of maintaining quality of service for the PBX connection are also disclosed. These methods generally include giving priority to PBX data over LAN data but also include the dispensing of tokens and the prioritizing of different kinds of messages.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/21629

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L 12/66; H04N 7/15; H04B 7/212

US CL : 370/352; 348/15; 370/442

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)

U.S. : 370/352; 348/15; 370/442

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,982,767 A (MCINTOSH et al.) 09 NOVEMBER 1999, ALL	1,3,6,8,11,13,15,16,18
Y	US 5,565,910 A (ROWSE et al.) 15 OCTOBER 1996, ALL	1, 3, 16
Y,P	US 6,266,340 B1 (PICKETT et al.) 24 JULY 2001, ALL	1, 5, 6, 11 13, 16



Further documents are listed in the continuation of Box C.



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"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

25 AUGUST 2001

Date of mailing of the international search report

12 FEB 2002

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
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