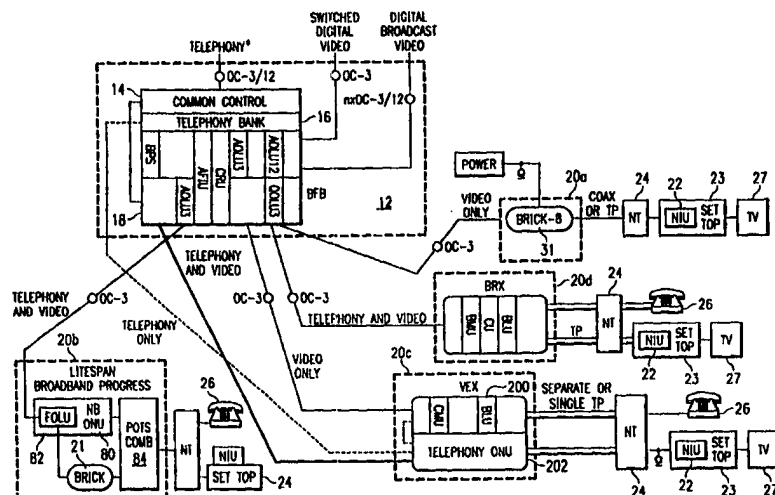




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : H04Q 11/04</p>	<p>A3</p>	<p>(11) International Publication Number: WO 98/24228</p> <p>(43) International Publication Date: 4 June 1998 (04.06.98)</p>
<p>(21) International Application Number: PCT/US97/21888</p> <p>(22) International Filing Date: 25 November 1997 (25.11.97)</p> <p>(30) Priority Data: 60/031,896 27 November 1996 (27.11.96) US</p> <p>(71) Applicant: DSC TELECOM L.P. [US/US]; 1000 Coit Road, Plano, TX 75075 (US).</p> <p>(72) Inventors: LEWIS, Stephen; 7500 Silverado Trail, Napa, CA 94558 (US). STEVENSON, K., Martin, III; 7 Cabrillo Court, San Rafael, CA 94903 (US). NABAVI, Farzad, S.; 168 Graylawn Avenue #D, Petaluma, CA 94952 (US). MILLET, Catherine, A.; 547 Lydia Court, Rohnert Park, CA 94928 (US). DOVE, Jason; 10 Jeffrey Court, Novato, CA 94945 (US).</p> <p>(74) Agent: FISH, Charles, S.; Baker & Botts, L.L.P., 2001 Ross Avenue, Dallas, TX 75201-2980 (US).</p>	<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 16 July 1998 (16.07.98)</p>	

(54) Title: OPTICAL NETWORK UNIT FOR COMMUNICATING TELEPHONY AND VIDEO INFORMATION



(57) Abstract

A telephone and video telecommunications distribution network (10) includes a telecommunications switch (12) and an optical network unit configuration (20b). The telecommunications switch (12) receives telephony traffic at a common control section (14) and video information at a video bank section (18). The Video bank section receives telephony traffic from the common control section (14) and places the telephony traffic into telephony ATM cells. Video information is carried in video ATM cells. The Video Dank section (18) multiplexes telephony ATM cells and video ATM cells onto a fiber optic communication link for transport to the optical network unit configuration (20b). The optical network unit configuration (20b) includes a full service optical line unit (80) that segregates telephony ATM cells from video ATM cells. The full service optical line unit (80) transfers video ATM cells to a video brick (31) for processing. The full service optical line unit extracts telephony traffic from the telephony ATM cells for transport to a conventional optical network unit.

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INTERNATIONAL SEARCH REPORT

Inte. onal Application No

PCT/US 97/21888

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04Q11/04

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 6 H04Q 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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X Y	EP 0 713 347 A (AT & T CORP) 22 May 1996 see column 8, line 7 - line 24 see column 8, line 47 - column 9, line 10; figure 1 see column 13, line 10 - line 32 ---	8,9 13,14
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

20 May 1998

Date of mailing of the international search report

29/05/1998

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

Gregori, S

INTERNATIONAL SEARCH REPORT

International Application No

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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.
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