

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number
WO 2005/060470 A3

(51) International Patent Classification⁷: **G01R 31/08**

(21) International Application Number:
PCT/US2004/038203

(22) International Filing Date:
15 November 2004 (15.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/731,259 5 December 2003 (05.12.2003) US

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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, 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, LU, MC, 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:
20 October 2005

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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, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

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.

(54) Title: SUPPORTING SDH/SONET APS BRIDGE SELECTOR FUNCTIONALITY FOR ETHERNET

(57) Abstract: An Ethernet Automatic Protection Switching (APS) Bridge Selector is provided for supporting SDH/SONET APS standard functionality in Ethernet Networks. In accordance with one embodiment, an Ethernet APS Bridge Selector is provided for bridge, selector, and switchover functionality for a plurality of Physical Layer (PHY) hardware devices. The Ethernet APS Bridge Selector provides support for any Media Access Control (MAC) hardware to PHY interface/interconnect. The Ethernet APS Bridge Selector can be managed via interfaces, signals and/or control/register interfaces.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/38203

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01R 031/08

US CL : 370/216

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. : 370/216

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)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 6766482 B1 (YIP et al) 20 July 2004, col. 2, line 12-26	41,42 and 44
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Y		1-39, 45
Y	US 6363432 B1 (LABER) 26 March 2002, pg8, line 26	1- 39
Y	US 5412652 A (LU) 02 May 1995, col.9, line 46	10,11,34 and 39
Y,P	US 2004/0026793 A1 (SEFIDVASH) 12 February 2004, para 17	12,14,29,33 and 38
Y	US 6614372 B1 (SHI) 02 September 2003, col. 1, line26-27	13,21,32 and 37
Y	US 5422760 A (ABBOTT et al) 06 June 1995, col 51, line 4	22,45
Y	US 6192514 B1 (LURNDAL) 20 February 2001, col. 19, lines 56-57	20,31 and 36
Y	US 5978354 A (TAKETOMI et al) 02 November 1999, col. 10, lines 59-60	24



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Date of the actual completion of the international search

20 June 2005 (20.06.2005)

Date of mailing of the international search report

01 SEP 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/38203

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5633869 A (BURNETT et al) 27 May 1997, see entire document	25