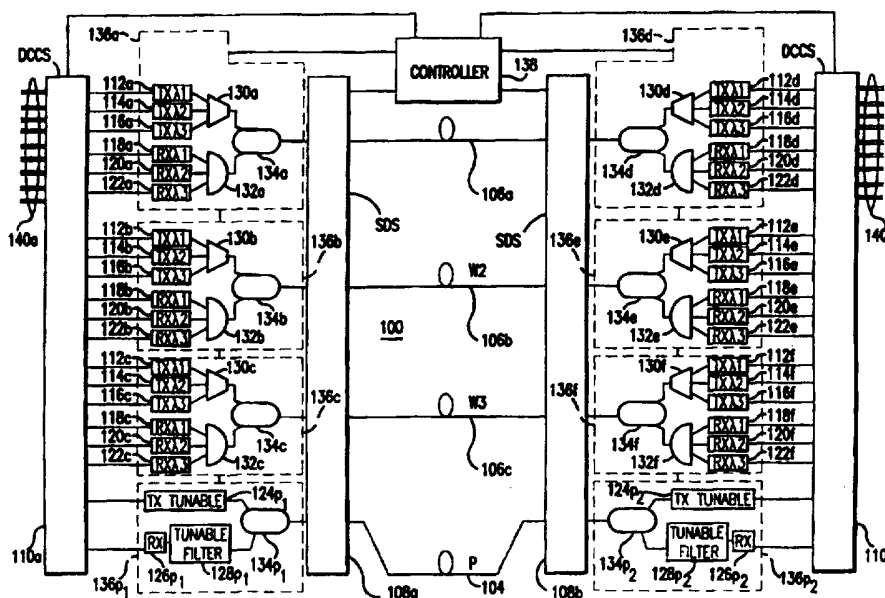




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H04Q 11/00, H04B 10/00	A3	(11) International Publication Number: WO 97/25829 (43) International Publication Date: 17 July 1997 (17.07.97)
(21) International Application Number: PCT/US96/19919 (22) International Filing Date: 23 December 1996 (23.12.96) (30) Priority Data: 08/577,663 22 December 1995 (22.12.95) US 08/672,808 28 June 1996 (28.06.96) US (71) Applicant: MCI COMMUNICATIONS CORPORATION [US/US]; 1133 19th Street, N.W., Washington, DC 20036 (US). (72) Inventor: FEE, John, A.; 2517 Regal Road, Plano, TX 75075 (US). (74) Agents: SOKOHL, Robert, E. et al.; Sterne, Kessler, Goldstein & Fox P.L.L.C., Suite 600, 1100 New York Avenue, N.W., Washington, DC 20005-3934 (US).		(81) Designated States: CA, JP, MX, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 23 October 1997 (23.10.97)

(54) Title: SYSTEM AND METHOD FOR PHOTONIC FACILITY AND LINE PROTECTION SWITCHING



(57) Abstract

A system and method for photonic facility and line protection switching in an optical network to permit fault tolerant operation. The optical network comprises components whose operation is monitored by a controller. If the controller determines an optical transmission line in a single path has failed, the controller will re-route the signal path through a spare, or protect component. Alternatively, the controller can re-route the signal path through a frequency translator and another optical transmission line.

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INTERNATIONAL SEARCH REPORT

Inter nal Application No
PCT/US 96/19919

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 H04Q11/00 H04B10/00

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 H04B

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)

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Y	see abstract see page 3, line 21-24 see page 7, line 2-9 see page 9, line 23 - page 10, line 3 ---	2,22,24, 26
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A	see abstract see column 5, line 40-46 ---	1
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Date of the actual completion of the international search

3 September 1997

Date of mailing of the international search report

12.09.97

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INTERNATIONAL SEARCH REPORT

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