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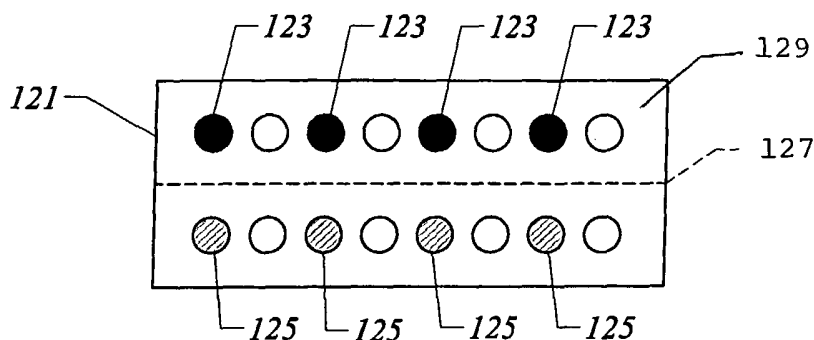
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(54) Title: MULTIPLE CHANNEL OPTICAL TRANSCEIVER MODULES



(57) Abstract: Techniques for multiple channel optical transceivers for use in network devices are provided. In general, a row of optical emitters (123) are disposed adjacent to a row of optical detectors (125) in order to provide increase bandwidth and reduced optical crosstalk. Each row can be electrically coupled to an associated transmitting electronic board or detecting electronic board to reduce electronic crosstalk. The configuration of the optical emitters and detectors allow enhanced

flexibility in dressing out the optical fibers and routing them to other network devices.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/12514

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **H04B 10/00**(2006.01),**10/12**(2006.01)

USPC: 398/138,139,147,159,164

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. : 398/138, 139, 147, 159, 164

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.
X	US 2003/0152338 (KUHARA et al) 14 August 2003 (14.08.2003), Figures 1-13, pages 4-10	1-31
Y	US 2001/0030798 (JIANG et al) 18 October 2001 (18.10.2001), see entire document	1-31
Y	US 2002/0181058 (GER et al) 05 December 2002 (05.12.2002), see entire document	1-31

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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