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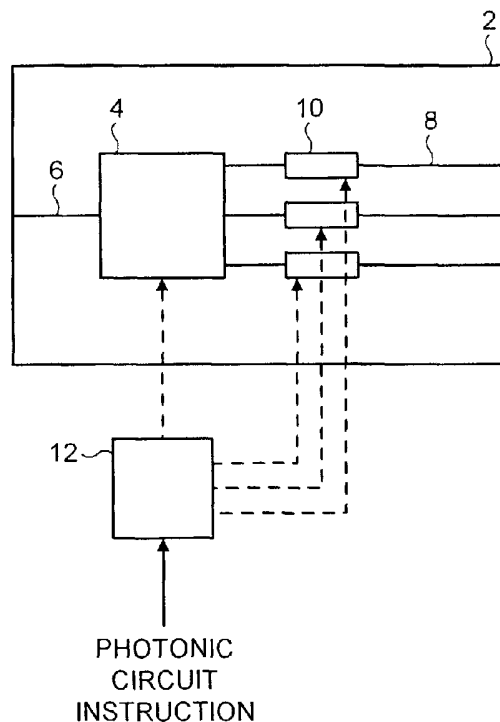
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(54) Title: ELECTRO-OPTIC CONTROL SYSTEM



(57) Abstract: An optic system including: an integrated optical device including an electrically controllable photonic circuit element for receiving an optical signal from at least one optical path and selectively directing the optical signal to a selected one or more of a plurality of optical output paths, and being electrically adjustable between a plurality of states at which the input optical signal is selectively directed to a different output path or combination of output paths; electrically controllable pin diode attenuating elements associated with each of the output paths; and electrical circuitry for controlling the pin diode attenuating elements in co-ordination with the photonic circuit element such that the pin diode attenuating elements associated with the one or more selected paths are in an on state, and the pin diode attenuating elements associated with output paths other than the selected paths are in an off state to substantially extinguish any signal power in those output paths.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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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)
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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)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 098 219 A (NIPPON ELECTRIC CO) 9 May 2001 (2001-05-09) column 4, line 51 - line 55 column 5, line 13 - line 24 column 8, line 21 - column 9, line 21 claims 2-5,18; figures 3,5,11A ---	1-8
X	US 5 706 374 A (VINCHANT JEAN-FRANCOIS) 6 January 1998 (1998-01-06) column 6, line 52 - line 67 figure 8 ---	1-8
A	EP 0 367 682 A (FURUKAWA ELECTRIC CO LTD) 9 May 1990 (1990-05-09) column 6, line 17 - line 42 column 13, line 6 - line 55 figures 9,10 -----	1-8

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

☒ Patent family members are listed in annex.

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