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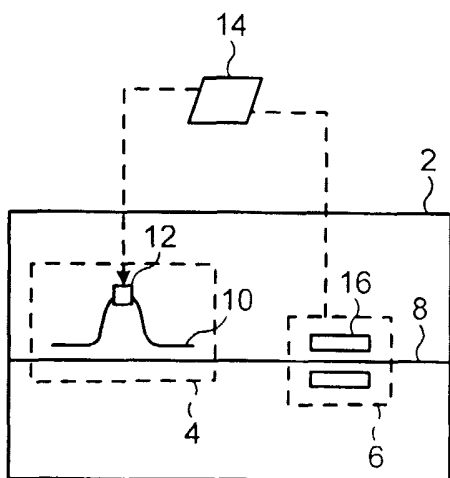
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(54) Title: INTEGRATED OPTIC DEVICE



(57) Abstract: An integrated optical device including an electrically controllable switching element and an electrically controllable attenuating element cascaded together, wherein the switching element may be switched from a maximum attenuation state at zero electrical power input to a minimum attenuation state by the input of electrical power, and wherein the attenuating element may be switched from a minimum attenuating state at zero electrical power input to a state of greater attenuation by the input of electrical power, the attenuating element capable of exhibiting greater maximum attenuation than the switching element.



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INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G02F1/225 G02F1/015 H04B10/155

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 7 G02F

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, COMPENDEX, INSPEC, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 932 067 A (FUJITSU LTD) 28 July 1999 (1999-07-28) abstract column 5, line 34 -column 9, line 17; figures 1,4 ----	1,3-5,9
A	WO 01 54318 A (OPTICAL TECHNOLOGIES ITALIA S ;CASTOLDI ANDREA (IT); DELL ORTO FLA) 26 July 2001 (2001-07-26) page 11, line 7 -page 15, line 31 figures 3-7 ----	1,3,4,7,9
A	US 5 867 300 A (ONAKA HIROSHI ET AL) 2 February 1999 (1999-02-02) abstract column 13, line 41 - line 53; figure 5 ----- -/--	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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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.
A	WO 99 24867 A (BOOKHAM TECHNOLOGY LTD) 20 May 1999 (1999-05-20) abstract page 9; figure 2 -----	1,7,8

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Information on patent family members

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