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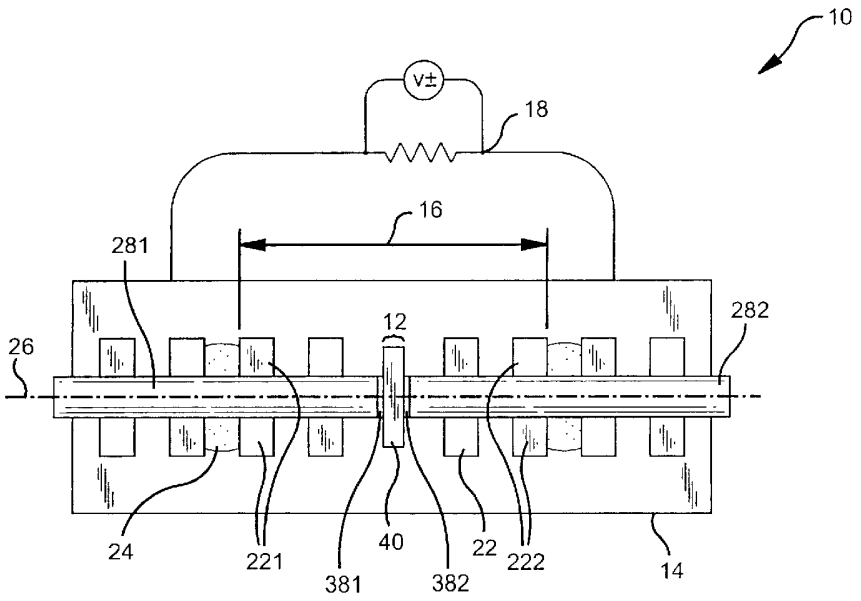
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(54) Title: A TUNABLE OPTICAL COMPONENT



(57) Abstract: Multiple uses are made available with an optical component (10) that is based on a fiber Fabry-Perot resonator (12). The optical component (10) includes substrate (14) having a variable length (16) for supporting and tuning the Fabry-Perot resonator (12) by varying the variable length (16) of the substrate (14) in response to a variable stimulus. A plurality of fiber retainers (22) are disposed on the substrate (14) for mounting and aligning the fiber Fabry-Perot resonator (12). To fix the position of the fiber Fabry-Perot resonator (12) relative to the substrate (14) and to define the variable length (16), a pair of binders (24) are disposed on the substrate (14) proximate selected opposed pairs (221 and 222) of the plurality of the fiber retainers (22).

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INTERNATIONAL SEARCH REPORT

International Application No
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B6/293 G02B6/36 G02B6/26

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 G02B

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)
PAJ, EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 014, no. 158 (P-1027), 27 March 1990 (1990-03-27) -& JP 02 015228 A (NIPPON TELEGR & TELEPH CORP), 18 January 1990 (1990-01-18) abstract; figure 6	1,2,7,9
Y	---	8,10
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Y	---	4
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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
13 January 2003	22/01/2003

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Riblet, P

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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.
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