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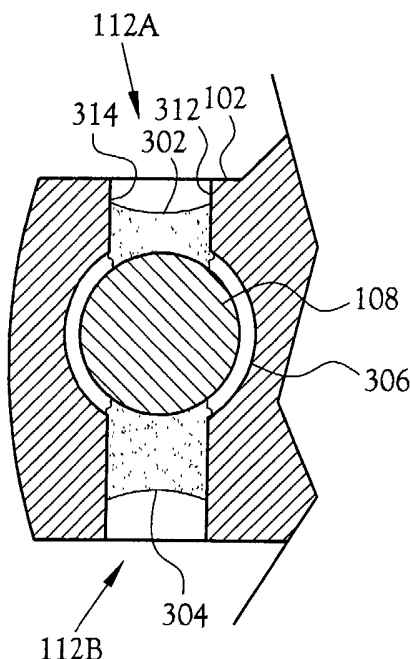
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[Continued on next page]

(54) Title: ADHESIVE SYSTEM FOR OPTICAL DEVICES



(57) Abstract: An adhesive system for securing optical elements to a housing or substrate in an aligned position that is maintained over widely varying environmental conditions. A fiber optic device (106, 108) is constructed such that applied adhesive (302, 304) is not disposed between a fiber optic element (106, 108) and the housing (102) of the fiber optic device (106, 108), but is disposed on longitudinal seams (112) defined by the portion of the element proximal a side of the housing or substrate (102). In one embodiment, the adhesive (302, 304) has a filler, such as amorphous silica. A method of making includes aligning, applying adhesive (302, 304), and curing adhesive (302, 304).



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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/31870

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G02B 7/02

US CL : 359/819; 385/147

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. : 359/819; 385/147, 26, 31, 50-52, 55, 60, 66, 68, 72, 78, 80, 84, 92, 137

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|------------------------------------------------------------------------------------|-----------------------|
| Y          | US 2003/0081926 A1 (JEONG et al) 01 May 2003 (01.03.2003) see entire document.     | 1-3,5, 8-11, 22-35    |
| Y          | US 6,282,349 B1 (GRIFFIN) 28 August 2001 (28.08.2001) see entire document.         | 1-3, 5, 8-11, 22-35   |
| Y          | US 5,109,460 A (BAEK et al) 28 April 1992 (28.04.1992) see entire document.        | 27-35                 |
| A, P       | US 6,751,374 B2 (WU et al) 15 June 2004 (15.06.2004) see entire document.          | 1-36                  |
| Y          | US 6,344,635 B2 (BRENNAN) 05 February 2002 (02.02.2002) see entire document.       | 1-3, 5, 8-11, 22-26   |
| A, P       | US 2004/0022497 A1 (LINDSEY) 05 February 2004 (02.02.2004) see entire document.    | 1-36                  |

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

☐ See patent family annex.

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Continuation of B. FIELDS SEARCHED Item 3:

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