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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

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(54) Title: SMALL DIAMETER, HIGH STRENGTH OPTICAL FIBER

(57) Abstract: A coated optical fiber, preferably a GGP optical fiber includes an optical fiber core, and a silica cladding over the optical fiber core, to provide a silica clad core. A permanent polymeric coating forms on the silica cladding during ultraviolet radiation of a photocurable composition containing a non-hydrolyzable photoinitiator. The coated optical fiber has a diameter from 120 microns to 160 microns and a relative frequency distribution of at least 85 % for dynamic fatigue measurements between  $49.2 \times 10^3$  kg/cm<sup>2</sup> (700kpsi) and  $63.3 \times 10^3$  kg/cm<sup>2</sup> (900kpsi).

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/26010

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B6/44 C03C25/36 C03C25/10 C08F2/50

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, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 5 381 504 A (CRONK BRYON J ET AL) 10 January 1995 (1995-01-10) cited in the application abstract; figure 1 column 3, line 54 column 4, line 13 - line 43 column 8, line 1 - line 17 column 9, line 2 - line 3 column 10, line 67 - line 68 column 11, line 19 - line 23 claim 26	1-8
X	EP 0 447 926 A (GEN ELECTRIC) 25 September 1991 (1991-09-25) abstract page 6, line 10 - line 20 page 10, line 20 - line 35	1-8
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International Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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