

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
30 May 2002 (30.05.2002)

PCT

(10) International Publication Number  
WO 02/042801 A3

(51) International Patent Classification<sup>7</sup>: G02B 6/44

(21) International Application Number: PCT/IL01/01075

(22) International Filing Date:  
21 November 2001 (21.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
139810 21 November 2000 (21.11.2000) IL  
60/266,731 5 February 2001 (05.02.2001) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

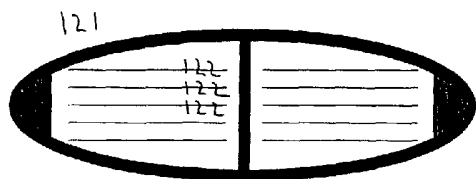
Published:  
— with international search report

(88) Date of publication of the international search report:  
24 October 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HIGH CAPACITY OPTICAL FIBER CABLES

WO 02/042801 A3



(57) Abstract: The invention addresses the demand for enhanced information capacity by increasing the number of fibers per cable. In one embodiment, the cable (121) includes flexible flat multiple-fiber jackets (122) which can move freely within the cable. The cable is preferably divided into at least two cells in order to maintain structural strength while allowing the cable to bend only along a desired direction. Multiple-fiber connectors suitable for the jackets, and arrangements for coupling pumping light into multiple fibers for amplification, are also described.

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL01/01075

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC(7) :G02B 6/44 US CL :885/114, 100 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 885/114, 100, 101, 109-118		
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) USPAT text search		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,278,835 A (JACKSON) 14 July 1981 (14.07.1981), entire document.	1-2, 13-14, 42-47
X --- A	US 4,911,525 A (HICKS et al.) 27 March 1990 (27.03.1990), entire document.	1-2, 13-14, 52, 54, 72-73, 76-77 --- 25-26, 53, 55, 74-75, 78-79
X	US 5,319,730 A (RASANEN et al.) 07 June 1994 (07.06.1994), entire document.	1-2, 13-14, 56-59
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"P"	document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search 09 MAY 2002		Date of mailing of the international search report 19 JUL 2002
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 805-8230		Authorized officer <i>Sham J. Hyye</i> MICHAEL STAHL Telephone No. (703) 808-0956

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL01/01075

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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X	US 5,991,485 A (KERTSCHER et al.) 23 November 1999 (23.11.1999), entire document.	1-2, 13-14, 27, 30-41, 92
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