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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: PHOTSENSITIVE MATERIAL SUITABLE FOR MAKING WAVEGUIDES AND METHOD OF MAKING
WAVEGUIDES UTILIZING THIS PHOTSENSITIVE OPTICAL MATERIAL

(57) Abstract: A UV light-curable composition comprises: (a) a first component, said first component being UV light-polymeriz-
able polymer having a first index of refraction; and (b) a second component, the second component being UV light-polymerizable
monomer having a second index of refraction, the second index of refraction being higher than said first index of refraction; wherein
the first component polymerizes slower upon exposure to UV radiation than the second component.



WO 2002/090401 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/10622

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C08F 214/00, 214/02, 214/18; G02B 6/10; 6/24/

US CL : 522/113, 120,121,122, 134, 137, 141, 142, 143, 144; 526/258,262,342,341,273,328,348,292.1; 359/642

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. : 522/113, 120,121,122, 134, 137, 141, 142, 143, 144; 526/258,262,342,341,273,328,348,292.1; 359/642

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 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,P&	WO 0138411 A1 (CORNING INCOPORATED) 31 May 2001 (31.05.2001) see entire document.	1-17
Y,P	US 6,306,563 B1 (XU et al) 23 October 2001 (23.10.2001), see entire document.	1-17
A	US 5,985,084 A (SUMMERSGILL et al) 16 November 1999 (16.11.199), see entire.	1-17
A	US 5,598,501 A (MARUO et al) 28 January 1997 (28.01.1997), see entire document.	1-17
A	US 5,054,872 A (FAN et al) 08 October 1991 (08.10.1991), see entire document.	1-17
Y,P&	US 6,314,225 B1 (WANG) 06 November 2001 (06.11.2001), see entire document.	1-17
A	US 5,568,579 A (OKANIWA) 22 October 1996 (22.10.1996), see entire document.	1-17
A	US 5,649,045 A (FJARE et al) 15 July 1997 (15.07.1997), see entire document.	1-17
A	US 5,733,481 A (HAYASHIDA et al) 31 March 1998 (31.03.1998) see entire document.	1-17

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means		
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Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer Sanza McClendon Telephone No. (703) 308-0657 DEBORAH THOMAS PARALEGAL SPECIALIST <i>Dat</i>

INTERNATIONAL SEARCH REPORT

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P	US 6,233,388 B1 (KIM et al) 15 May 2001 (15.05.2001), see entire document.	1-5, 9-11, 17
Y, P	US 6,229,654 B1 (CABEZA et al) 08 May 2001 (08.05.2001), see entire document.	1-5, 9-11, 17
A	US 5,541,039 A (MCFARLAND et al) 30 July 1996 (30.07.1996), see entire document.	1-17

INTERNATIONAL SEARCH REPORT

PCT/US02/10622

Continuation of B. FIELDS SEARCHED Item 3:

USPAT, JPO, EPO, USCOR, DERWENT; USPGPUB

fluorinated/halogenated maleimide; bismaleimide, phenyl, aromatic; fluorinated/halogenated methacrylate/acrylate; glycidyl ether/acrylate/methacrylate, epoxy acrylate or epoxide acrylate, optical waveguide, fiber, coupler; and waveguide.