

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number
WO 2005/000971 A3

(51) International Patent Classification⁷: **C03C 3/095**,
13/00, 13/06

(21) International Application Number:
PCT/US2004/020341

(22) International Filing Date: 25 June 2004 (25.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/483,169 27 June 2003 (27.06.2003) US

(71) Applicant (*for all designated States except US*):
UNIFRAX CORPORATION [US/US]; 2351 Whirlpool
Street, Niagara Falls, NY 14305-2413 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **ZOITOS, Bruce, K.**
[US/US]; 48 Tristan Lane, Amherst, NY 14221 (US). **AN-**
DREJCAK, Michael, J. [US/US]; 625 Twenty Seventh
Street, Niagara Falls, NY 14301 (US). **BOYMEL, Paul,**
M. [US/US]; 22 Olney Drive, Amherst, NY 14226 (US).

(74) Agents: **CURATOLO, Joseph, G.** et al.; Renner, Kenner,
Greive, Bobak, Taylor & Weber, Suite 280, 24500 Center
Ridge Road, Westlake, OH 44145 (US).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (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:
10 March 2005

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: HIGH TEMPERATURE RESISTANT VITREOUS INORGANIC FIBER

(57) Abstract: A temperature resistant vitreous inorganic fiber having a use temperature of up to at least 1000°C, or greater, having after service mechanical integrity, is non-durable (soluble) in physiological fluids, and is produced from a melt containing silica, magnesia, a lanthanide series element-containing compound, and optionally zirconia.



WO 2005/000971 A3