

Title (en)
METHOD OF MAKING OPTICAL FIBERS

Title (de)
VERFAHREN ZUM HERSTELLEN OPTISCHER FASERN

Title (fr)
PROCEDE DE FABRICATION DE FIBRES OPTIQUES

Publication
EP 0835227 A4 19980819 (EN)

Application
EP 97927608 A 19970421

Priority
• US 9706924 W 19970421
• US 1643596 P 19960429

Abstract (en)
[origin: WO9741076A1] A preform (94) for making an optical fiber is made by depositing silica soot (91) around a tube (90). Pieces of differing glass compositions (81, 82) are placed in the bore of the tube. This preform is then sintered, fused and collapsed. A draw blank is obtained which can be drawn into a low-loss, dispersion managed, single-mode optical fiber.

IPC 1-7
C03B 37/018; **C03B 37/027**; **G02B 6/18**; **G02B 6/22**

IPC 8 full level
G02B 6/028 (2006.01); **C03B 37/012** (2006.01); **C03B 37/018** (2006.01); **C03B 37/027** (2006.01)

CPC (source: EP KR)
C03B 37/01211 (2013.01 - EP); **C03B 37/01248** (2013.01 - EP); **C03B 37/01446** (2013.01 - EP); **C03B 37/01493** (2013.01 - EP);
C03B 37/018 (2013.01 - KR); **G02B 6/02247** (2013.01 - EP); **G02B 6/028** (2013.01 - KR); **G02B 6/036** (2013.01 - KR);
G02B 6/03644 (2013.01 - EP); **C03B 37/027** (2013.01 - KR); **C03B 2203/18** (2013.01 - EP); **C03B 2203/36** (2013.01 - EP);
Y02P 40/57 (2015.11 - KR)

Citation (search report)
• [PX] EP 0737873 A2 19961016 - CORNING INC [US]
• [PY] EP 0718244 A2 19960626 - CORNING INC [US]
• [Y] PATENT ABSTRACTS OF JAPAN vol. 15, no. 133 (C - 820) 2 April 1991 (1991-04-02)
• [XY] PATENT ABSTRACTS OF JAPAN vol. 5, no. 31 (C - 45) 25 February 1981 (1981-02-25)
• See references of WO 9741076A1

Designated contracting state (EPC)
AT CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9741076 A1 19971106; AU 3203697 A 19971119; AU 733718 B2 20010524; AU 733718 C 20030320; BR 9702176 A 19990302;
CA 2220416 A1 19971106; CN 1109661 C 20030528; CN 1189812 A 19980805; EP 0835227 A1 19980415; EP 0835227 A4 19980819;
JP 3534192 B2 20040607; JP H11513968 A 19991130; KR 19990028560 A 19990415; RU 2169710 C2 20010627; TW 342457 B 19981011

DOCDB simple family (application)
US 9706924 W 19970421; AU 3203697 A 19970421; BR 9702176 A 19970421; CA 2220416 A 19970421; CN 97190447 A 19970421;
EP 97927608 A 19970421; JP 53904197 A 19970421; KR 19970709880 A 19971229; RU 98101508 A 19970421; TW 86105324 A 19970418