

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  
**C03B 37/012** (2006.01); **C03B 37/018** (2006.01); **C03B 37/027** (2006.01); **G02B 6/028** (2006.01)

CPC (source: EP KR)  
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**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

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**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;  
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