

Title (en)

APPARATUS AND METHOD FOR DRAWING WAVEGUIDE FIBERS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ZIEHEN VON WELLENLEITERFASERN

Title (fr)

APPAREIL PERMETTANT L'ETIRAGE DE FIBRES DE GUIDE D'ONDES ET PROCEDE CORRESPONDANT

Publication

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Application

EP 98954984 A 19981015

Priority

- US 9821872 W 19981015
- US 6382597 P 19971031

Abstract (en)

[origin: WO9923040A1] A furnace (12) has a muffle tube (22) that is coated with silicon carbide. It is tubular. They make a fiber (36) with it.

IPC 1-7

C03B 37/029; **H05B 6/02**

IPC 8 full level

G02B 6/00 (2006.01); **C03B 37/029** (2006.01); **H05B 6/02** (2006.01)

CPC (source: EP KR)

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Citation (search report)

- [X] US 5513983 A 19960507 - ITO MASUMI [JP], et al
- [X] EP 0420148 A1 19910403 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- [Y] GB 1575299 A 19800917 - SUMITOMO ELECTRIC INDUSTRIES
- [Y] GB 2192698 A 19880120 - STC PLC
- [Y] FR 2340519 A1 19770902 - FRANCE ETAT [FR]
- [YA] US 5306322 A 19940426 - ISHIKAWA SHINJI [JP], et al
- [A] US 5032079 A 19910716 - TSUCHIYA ICHIRO [JP], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 12, no. 59 23 February 1988 (1988-02-23)
- [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 281 15 December 1983 (1983-12-15)
- See references of WO 9923040A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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