

Title (en)

OPTICAL WAVEGUIDE FIBER BRAGG GRATING

Title (de)

OPTISCHE FASER MIT EINEM BRAGG-GITTER

Title (fr)

RESEAU DE BRAGG A FIBRE GUIDE D'ONDE OPTIQUE

Publication

**EP 0864115 A4 20000202 (EN)**

Application

**EP 97938074 A 19970729**

Priority

- US 9713442 W 19970729
- US 2349296 P 19960807

Abstract (en)

[origin: WO9806001A1] A method for side writing Bragg gratings, having minimal birefringence, in a waveguide structure (2) is disclosed. The method employs the orientation of the polarization direction (10) of the writing light beam (8) relative to the long axis (7) of the waveguide structure (2) together with the orientation of the intrinsic birefringence slow axis (9) to effectively minimize birefringence in the subject grating.

IPC 1-7

**G02B 6/12**; **G02B 6/16**

IPC 8 full level

**G02B 6/122** (2006.01); **C03B 37/10** (2006.01); **C03C 25/62** (2018.01); **C03C 25/6208** (2018.01); **G02B 5/18** (2006.01); **G02B 6/02** (2006.01)

CPC (source: EP)

**C03C 25/62** (2013.01); **C03C 25/6208** (2017.12); **G02B 6/02109** (2013.01)

Citation (search report)

- [A] EP 0635736 A1 19950125 - AT & T CORP [US]
- [A] EP 0672922 A2 19950920 - AT & T CORP [US]
- [A] US 5216739 A 19930601 - HILL KENNETH O [CA], et al
- See references of WO 9806001A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**WO 9806001 A1 19980212**; AU 4048797 A 19980225; AU 729859 B2 20010208; CA 2225342 A1 19980207; EP 0864115 A1 19980916; EP 0864115 A4 20000202; JP 2000502469 A 20000229

DOCDB simple family (application)

**US 9713442 W 19970729**; AU 4048797 A 19970729; CA 2225342 A 19970729; EP 97938074 A 19970729; JP 50805198 A 19970729