

Title (en)  
DISPERSION COMPENSATING SINGLE MODE WAVEGUIDE

Title (de)  
DISPERSIONSKOMPENSIERTER MONOMODIGER WELLENLEITER

Title (fr)  
GUIDE D'ONDES UNIMODAL A COMPENSATION DE LA DISPERSION

Publication  
**EP 0857313 A1 19980812 (EN)**

Application  
**EP 97934929 A 19970714**

Priority

- US 9712136 W 19970714
- US 2329796 P 19960731

Abstract (en)  
[origin: WO9804941A1] A dispersion compensating single mode optical waveguide fiber designed to change the wavelength window of operation of a link from 1301 nm to 1550 nm. The dispersion compensating waveguide fiber is characterized by a core glass region refractive index profile comprised of at least three segments (2, 4, 6, 8). The segment (2) on the waveguide center has a positive relative refractive index. At least one segment (4, 8), spaced apart from the waveguide centerline has a negative relative refractive index.

IPC 1-7  
**G02B 6/22**

IPC 8 full level  
**C03B 37/023** (2006.01); **G02B 6/02** (2006.01); **G02B 6/036** (2006.01); **H04B 10/18** (2006.01)

CPC (source: EP KR)  
**G02B 6/02004** (2013.01 - KR); **G02B 6/02261** (2013.01 - EP KR); **G02B 6/0228** (2013.01 - KR); **G02B 6/0286** (2013.01 - KR); **G02B 6/03661** (2013.01 - EP); **G02B 6/03666** (2013.01 - EP KR); **G02B 6/02004** (2013.01 - EP); **G02B 6/0228** (2013.01 - EP); **G02B 6/0286** (2013.01 - EP)

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

DOCDB simple family (publication)  
**WO 9804941 A1 19980205**; AU 3798397 A 19980220; AU 714957 B2 20000113; BR 9706588 A 19990720; CA 2221737 A1 19980131; CN 1100273 C 20030129; CN 1198219 A 19981104; EP 0857313 A1 19980812; EP 0857313 A4 20000412; JP 2002090568 A 20020327; JP 3267302 B2 20020318; JP H11507445 A 19990629; KR 100443213 B1 20041103; KR 19990063889 A 19990726; RU 2171484 C2 20010727; TW 445384 B 20010711

DOCDB simple family (application)  
**US 9712136 W 19970714**; AU 3798397 A 19970714; BR 9706588 A 19970714; CA 2221737 A 19970714; CN 97190992 A 19970714; EP 97934929 A 19970714; JP 2001291920 A 20010925; JP 50883598 A 19970714; KR 19980702361 A 19980330; RU 98108035 A 19970714; TW 86110524 A 19970720