

Title (en)

HIGH CAPACITY OPTICAL WAVEGUIDE FIBER

Title (de)

OPTISCHE WELLENLEITER VON HOHER KAPAZITÄT

Title (fr)

FIBRE OPTIQUE GUIDE D'ONDE A GRANDE CAPACITE

Publication

**EP 1444538 A2 20040811 (EN)**

Application

**EP 02776345 A 20021028**

Priority

- US 0234560 W 20021028
- US 33239101 P 20011115

Abstract (en)

[origin: WO03044577A2] Disclosed is an optical waveguide fiber that simultaneously exhibits large effective area and good resistance to bend induced attenuation, as measured by any of the tests known in the art. The cut off wavelength is controlled to allow single mode operation over a wavelength range that extends from about 1340 nm to 1650 nm. The optical waveguide fiber refractive index profile is simple in design allowing cost effective manufacture.

IPC 1-7

**G02B 6/00**; **G02B 6/22**; **G02B 6/18**

IPC 8 full level

**G02B 6/036** (2006.01)

CPC (source: EP KR)

**G02B 6/00** (2013.01 - KR); **G02B 6/02019** (2013.01 - EP); **G02B 6/03611** (2013.01 - EP); **G02B 6/03627** (2013.01 - EP); **G02B 6/02238** (2013.01 - EP); **G02B 6/02285** (2013.01 - EP)

Citation (search report)

See references of WO 03044577A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03044577 A2 20030530**; **WO 03044577 A3 20031127**; AU 2002342178 A1 20030610; AU 2002342178 A8 20030610; EP 1444538 A2 20040811; JP 2005509916 A 20050414; KR 20050040858 A 20050503

DOCDB simple family (application)

**US 0234560 W 20021028**; AU 2002342178 A 20021028; EP 02776345 A 20021028; JP 2003546150 A 20021028; KR 20047007427 A 20040514