

Title (en)

FIBRE GYROSCOPE WITH BUFFER LAYERS AND POTTING MATERIAL FOR THE FIBRE COIL

Title (de)

FASERGYROSKOP MIT PUFFERLAGEN UND VERGUSSMATERIAL FÜR DIE FASERWICKLUNG

Title (fr)

GYROSCOPE A FIBRE OPTIQUE AVEC COUCHES TAMPON ET MATERIAU D'ENROBAGE POUR LA BOBINE DE FIBRE

Publication

EP 1535029 B8 20140903 (EN)

Application

EP 03791764 A 20030825

Priority

- US 0326634 W 20030825
- US 22897402 A 20020827

Abstract (en)

[origin: US2004041085A1] An apparatus in one example comprises a buffer layer located on a face that serves as a primary support for an optical fiber winding along a first general direction. The face is coupled with a body that serves as a primary support for the optical fiber winding along a second general direction. The optical fiber winding comprises an optical fiber wound about the body. The buffer layer serves to promote a decrease of one or more strain gradients among a plurality of portions of the optical fiber winding.

IPC 8 full level

G01C 19/72 (2006.01); **G02B 6/44** (2006.01)

CPC (source: EP US)

G01C 19/722 (2013.01 - EP US); **G02B 6/4457** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

US 2004041085 A1 20040304; **US 6898364 B2 20050524**; AU 2003260065 A1 20040319; CA 2493810 A1 20040311; EP 1535029 A1 20050601; EP 1535029 B1 20140709; EP 1535029 B8 20140903; IL 166807 A0 20060115; IL 166807 A 20140630; JP 2006509221 A 20060316; JP 5220262 B2 20130626; WO 2004020949 A1 20040311

DOCDB simple family (application)

US 22897402 A 20020827; AU 2003260065 A 20030825; CA 2493810 A 20030825; EP 03791764 A 20030825; IL 16680703 A 20030825; IL 16680705 A 20050210; JP 2004532995 A 20030825; US 0326634 W 20030825