

Title (en)

OPTICAL SENSOR FIBRE HAVING A ZONE WHICH IS SENSITIVE TO BENDING, SENSOR HAVING SUCH A SENSOR FIBRE, AND METHOD FOR PRODUCING IT

Title (de)

OPTISCHE SENSORFASER MIT EINER BIEGESENSITIVEN ZONE, SENSOR MIT EINER SOLCHEN SENSORFASER UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

FIBRE DE DETECTION OPTIQUE COMPRENANT UNE ZONE SENSIBLE A LA FLEXION, DETECTEUR EQUIPE D'UNE TELLE FIBRE ET PROCEDE POUR SA FABRICATION

Publication

EP 2029971 A1 20090304 (DE)

Application

EP 07730095 A 20070612

Priority

- EP 2007055773 W 20070612
- DE 102006029020 A 20060614

Abstract (en)

[origin: DE102006029020B3] The fiber has a bend sensitive zone that is provided with surface treated fiber sections (18a, 18b) in which optical attenuation is increased in comparison to remaining untreated sensor fiber. The zone is formed by an untreated fiber section (19) that extends itself between the surface treated fiber sections, where the fiber is a multimode fiber, and the sections lie outside of the zone. An independent claim is also included for a method for producing a sensor fiber.

IPC 8 full level

G02B 6/06 (2006.01); **G01D 5/353** (2006.01)

CPC (source: EP US)

G01D 5/35345 (2013.01 - EP US); **G02B 6/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2007144350A1

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Designated extension state (EPC)

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DOCDB simple family (publication)

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