

Title (en)

METHOD FOR THE PRODUCTION OF AN OPTICAL TRANSMISSION ELEMENT COMPRISING A FILLED CHAMBER ELEMENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES OPTISCHEN BERTRAGUNGSELEMENTS MIT EINEM GEFÜLLTEN KAMMERELEMENT

Title (fr)

PROCEDE DE FABRICATION D'UN ELEMENT DE TRANSMISSION OPTIQUE POURVU D'UNE GAINES REMPLIE

Publication

EP 1663627 A2 20060607 (DE)

Application

EP 04786709 A 20040907

Priority

- DE 2004001986 W 20040907
- DE 10342319 A 20030912

Abstract (en)

[origin: WO2005025842A2] The invention relates to the production of an optical transmission element (BA), comprising at least one optical waveguide (LW) and a chamber element (AH), surrounding the optical waveguide, enclosing an internal space. A foamed filler (FM) is intermittently applied to the optical waveguide (LW) and the optical waveguide (LW) then introduced into an extruder (EX), forming a chamber element (AH) around the optical waveguide. The filler (FM) is stabilised within the formed chamber element (AH) and gives, in the final state, several dry compressible filler elements (FE, FE1 to FE4), each enclosing the optical waveguide. A dry and easily manipulated optical transmission element is thus provided. An outflow of filler and an escape of the optical waveguide from the transmission element are prevented.

IPC 1-7

B29D 11/00; **G02B 6/44**

IPC 8 full level

B29D 11/00 (2006.01); **G02B 6/44** (2006.01)

CPC (source: EP US)

B29D 11/00673 (2013.01 - EP US); **G02B 6/4405** (2013.01 - EP US); **G02B 6/4486** (2013.01 - EP US)

Citation (search report)

See references of WO 2005025842A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2005025842 A2 20050324; **WO 2005025842 A3 20050616**; CN 1878654 A 20061213; CN 1878654 B 20110914; DE 10342319 A1 20050421; EP 1663627 A2 20060607; US 2007058913 A1 20070315

DOCDB simple family (application)

DE 2004001986 W 20040907; CN 200480033318 A 20040907; DE 10342319 A 20030912; EP 04786709 A 20040907; US 57198704 A 20040907