

Title (en)  
OPTICAL SENSOR CABLE FOR MEASUREMENTS OF LIGHT IN THE UV RANGE, AND USE THEREOF IN IRRADIATION PROCEDURES

Title (de)  
OPTISCHES SENSORKABEL FÜR MESSUNGEN IM UV-LICHT UND SEINE VERWENDUNG BEI BESTRAHLUNGSVORGÄNGEN

Title (fr)  
CÂBLE CAPTEUR OPTIQUE POUR DES MESURES SOUS LUMIÈRE UV ET SON UTILISATION DANS DES OPÉRATIONS D'IRRADIATION

Publication  
**EP 2548070 A1 20130123 (DE)**

Application  
**EP 11715165 A 20110315**

Priority  
• DE 102010011610 A 20100316  
• EP 2011001271 W 20110315

Abstract (en)  
[origin: CA2793387A1] The invention relates to an optical sensor cable provided in the form of a ribbon cable (1) and to the use of the optical sensor cable for the measurement of light in the UV range and to the use thereof in technical irradiation procedures using UV light. The optical sensor cable provided in the form of a ribbon cable (1) comprises a profiled body (2) having a flat cross-section. Said profiled body has at least one highly transparent sub-region (6) extending centrally and parallel to the axis of the sensor cable. An optical waveguide (8) that can be used for optical measurement methods in the UV wavelength range is embedded in the transparent sub-region (6). The highly transparent sub-region (6) is designed to be optically accessible on a flat face of the profiled body (2). The use of an optical measurement method is directed, for example, at a UV light measurement and/or a temperature measurement during installation and during the curing process in a relining tube (20).

IPC 8 full level  
**G02B 6/44** (2006.01); **F16L 55/165** (2006.01); **G01J 1/04** (2006.01); **G01J 1/42** (2006.01); **G01K 11/32** (2006.01)

CPC (source: EP US)  
**B29C 63/34** (2013.01 - EP); **F16L 55/1651** (2013.01 - EP US); **F16L 55/1652** (2013.01 - EP US); **F16L 55/1654** (2013.01 - EP US); **F16L 55/1656** (2013.01 - EP US); **G01J 1/04** (2013.01 - EP US); **G01J 1/0411** (2013.01 - EP US); **G01J 1/0425** (2013.01 - EP US); **G01J 1/429** (2013.01 - EP US); **G01K 1/14** (2013.01 - EP US); **G01K 11/32** (2013.01 - EP US); **G02B 6/0011** (2013.01 - EP US); **G02B 6/04** (2013.01 - EP US); **G02B 6/4402** (2013.01 - EP US); **G02B 6/4415** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011113576A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102010011610 A1 20110922**; CA 2793387 A1 20110922; EP 2548070 A1 20130123; US 2013089287 A1 20130411;  
WO 2011113576 A1 20110922

DOCDB simple family (application)  
**DE 102010011610 A 20100316**; CA 2793387 A 20110315; EP 11715165 A 20110315; EP 2011001271 W 20110315;  
US 201113635196 A 20110315