

Title (en)  
OPTICAL CABLE AND METHOD FOR THE PRODUCTION THEREOF

Title (de)  
OPTISCHES KABEL UND VERFAHREN ZUR SEINER HERSTELLUNG

Title (fr)  
CABLE OPTIQUE ET PROCEDE DE PRODUCTION CORRESPONDANT

Publication  
**EP 1771760 A1 20070411 (DE)**

Application  
**EP 05770700 A 20050721**

Priority  
• DE 2005001282 W 20050721  
• DE 102004035809 A 20040723

Abstract (en)  
[origin: WO2006010359A1] An optical cable (1) comprises a cable covering (11) and a number of optical transmitting elements (101, 102) arranged inside the cable covering (11). Each of the transmitting elements comprises a number of optical waveguides 10101, 10102 and a conductor sheath (1011) surrounding the optical waveguides. The conductor sheath (1011) contains a matrix material and a filler embedded in the matrix material. The melting point of the matrix material is higher than 85 °C and the percentage by mass of the filler with regard the conductor sheath is at least 30 %.

IPC 8 full level  
**G02B 6/44** (2006.01)

CPC (source: EP)  
**G02B 6/443** (2013.01); **G02B 6/4436** (2013.01); **G02B 6/441** (2013.01)

Citation (search report)  
See references of WO 2006010359A1

Citation (examination)  
• FR 2798665 A1 20010323 - SAGEM [FR]  
• DE 3504041 A1 19860102 - SIEMENS AG [DE]  
• GB 2367064 A 20020327 - ALPHAGARY CORP [US]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006010359 A1 20060202**; CA 2573979 A1 20060202; CN 1989433 A 20070627; DE 102004035809 A1 20060316; EP 1771760 A1 20070411; JP 2008506996 A 20080306

DOCDB simple family (application)  
**DE 2005001282 W 20050721**; CA 2573979 A 20050721; CN 200580024963 A 20050721; DE 102004035809 A 20040723; EP 05770700 A 20050721; JP 2007521789 A 20050721