

Title (en)  
DATA AND/OR POWER TRANSMISSION CABLE WITH FIREPROOF COATING AND METHOD FOR FIREPROOFING SUCH A COATING

Title (de)  
DATEN- UND/ODER STROMÜBERTRAGUNGSKABEL MIT FEUERFESTER BESCHICHTUNG UND VERFAHREN ZUR FEUERSICHERUNG EINER SOLCHEN BESCHICHTUNG

Title (fr)  
CABLE DE TRANSMISSION DE DONNEES ET/OU D'ENERGIE A REVETEMENT IGNIFUGE ET PROCEDE D'IGNIFUGATION D'UN TEL REVETEMENT

Publication  
**EP 1934991 A1 20080625 (FR)**

Application  
**EP 06831253 A 20060929**

Priority  
• FR 2006050967 W 20060929  
• FR 0552994 A 20051003

Abstract (en)  
[origin: FR2891656A1] The method involves incorporating a fire-retardant agent in a coating of a power or data transmitting cable using a supercritical fluid e.g. carbon dioxide. The incorporation is performed after manufacturing the coating, and the agent is chosen among metal hydroxide, metal hydroxyl-carbonate, silica, phyllosilicate, zinc hydroxystannate, zinc stannate, phosphorous derivatives and boron compounds. The fluid is maintained at a supercritical state for a preset time for obtaining the incorporation. The fluid is eliminated, and the cable with fireproof coating is retrieved. An independent claim is also included for a power and data transmitting cable comprising a fire-proof coating.

IPC 8 full level  
**H01B 7/29** (2006.01); **H01B 13/22** (2006.01)

CPC (source: EP KR US)  
**H01B 7/29** (2013.01 - KR); **H01B 7/292** (2013.01 - KR); **H01B 7/295** (2013.01 - EP KR US); **H01B 13/22** (2013.01 - KR); **Y10T 428/2933** (2015.01 - EP US)

Citation (search report)  
See references of WO 2007042699A1

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)  
**FR 2891656 A1 20070406; FR 2891656 B1 20090508**; CA 2625129 A1 20070419; CN 101292304 A 20081022; CN 101292304 B 20120718; EP 1934991 A1 20080625; JP 2009510682 A 20090312; KR 20080059286 A 20080626; US 2011045294 A1 20110224; WO 2007042699 A1 20070419

DOCDB simple family (application)  
**FR 0552994 A 20051003**; CA 2625129 A 20060929; CN 200680039248 A 20060929; EP 06831253 A 20060929; FR 2006050967 W 20060929; JP 2008532845 A 20060929; KR 20087010878 A 20080506; US 99280706 A 20060929