

Title (en)  
Power and/or telecommunication cable

Title (de)  
Energie- und/oder Telekommunikationskabel

Title (fr)  
Cable d'énergie et/ou de telecommunication

Publication  
**EP 2767984 B1 20180404 (FR)**

Application  
**EP 14154850 A 20140212**

Priority  
FR 1351238 A 20130213

Abstract (en)  
[origin: EP2767984A1] The power and/or telecommunication cable comprises: a central conducting element (2); an internal semiconductor layer (3) surrounding the central conducting element; a first electrically insulating layer (4) surrounding the internal semiconductor layer; a semi-conductive transition layer surrounding the first electrically insulating layer; a second electrically insulating layer (6) surrounding the transition layer; and an external semiconductor layer (7) surrounding the second electrically insulating layer. The first electrically insulating layer is composed of fire resistant materials. The power and/or telecommunication cable comprises: a central conducting element (2); an internal semiconductor layer (3) surrounding the central conducting element; a first electrically insulating layer (4) surrounding the internal semiconductor layer; a semi-conductive transition layer surrounding the first electrically insulating layer; a second electrically insulating layer (6) surrounding the transition layer; and an external semiconductor layer (7) surrounding the second electrically insulating layer. A material of the first electrically insulating layer has an electric permittivity higher than that of a material of the second electrically insulating layer. The first electrically insulating layer is composed of fire resistant materials. The cable further comprises: a second semi-conductive transition layer surrounding the second electrically insulating layer; a third electrically insulating layer surrounding the second semi-conductive transition layer; an external protective screen surrounding the external semiconductor layer; and a sheath surrounding the external protective screen.

IPC 8 full level  
**H01B 3/44** (2006.01); **H01B 3/04** (2006.01); **H01B 7/02** (2006.01)

CPC (source: EP)  
**H01B 3/04** (2013.01); **H01B 3/441** (2013.01); **H01B 7/295** (2013.01); **H01B 9/027** (2013.01)

Citation (examination)  
DATABASE WPI Week 201105, Derwent World Patents Index; AN 2010-Q35402

Cited by  
FR3030100A1; WO2016092200A1

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)  
**EP 2767984 A1 20140820**; **EP 2767984 B1 20180404**; FR 3002077 A1 20140815; FR 3002077 B1 20190531

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