

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)
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Cited by
FR3030100A1; WO2016092200A1

Designated contracting state (EPC)
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