

Title (en)

Self-extinguishing cable with low-level production of fumes, and flame-retardant composition used therein

Title (de)

Raucharmes selbstlöschendes elektrisches Kabel und flammwidrige Zusammensetzung

Title (fr)

Cable autoextinguible à faible fumée et composition résistant aux flammes utilisée dans ce cable

Publication

EP 1043733 B1 20040825 (EN)

Application

EP 00201096 A 20000327

Priority

- EP 00201096 A 20000327
- EP 99201109 A 19990403

Abstract (en)

[origin: EP1043733A1] Cables, in particular electrical cables for low-voltage power transmission or for telecommunications, or alternatively for data transmission or mixed power/telecommunications cables, which have self-extinguishing properties and produce a low level of fumes, wherein a coating layer based on a polymer material and on a flame-retardant inorganic filler is present. The polymer material comprises a heterophase copolymer having an elastomeric phase based on ethylene copolymerized with an alpha -olefin and a thermoplastic phase based on propylene. The elastomeric phase is at least 45% by weight relative to the total weight of the heterophase copolymer and the heterophase copolymer is substantially devoid of crystallinity deriving from polyethylene sequences.

IPC 1-7

H01B 7/29; **H01B 3/44**; **C08K 3/22**; **C08L 23/08**

IPC 8 full level

C08K 3/00 (2006.01); **A62C 3/16** (2006.01); **C08K 3/22** (2006.01); **C08K 3/24** (2006.01); **C08L 23/00** (2006.01); **C08L 23/08** (2006.01); **C08L 23/10** (2006.01); **C08L 23/16** (2006.01); **H01B 3/00** (2006.01); **H01B 3/28** (2006.01); **H01B 3/44** (2006.01); **H01B 7/29** (2006.01); **H01B 7/295** (2006.01)

CPC (source: EP)

H01B 3/441 (2013.01); **H01B 7/295** (2013.01)

Cited by

EP2660287A1; WO2012152802A1; WO2012152803A1; EP1655741A4; DE112007003027B4; CN103517944A; DE10236288A1; GB2441158A; US7201970B2; CN100342459C; EP1501103A4; CN1311022C; RU2667288C1; US7518064B2; WO2004026957A1; US9290648B2; US7125924B2; US9260597B2; WO2019002917A1; WO2016188576A1; US10627589B2; US11042000B2

DOCDB simple family (publication)

EP 1043733 A1 20001011; **EP 1043733 B1 20040825**; AR 023931 A1 20020904; AT E274746 T1 20040915; AU 2519700 A 20001005; AU 777541 B2 20041021; BR 0001533 A 20011009; BR 0001533 B1 20110517; CA 2303656 A1 20001003; CA 2303656 C 20080610; DE 60013196 D1 20040930; DE 60013196 T2 20050811; ES 2226701 T3 20050401; JP 2000322948 A 20001124; NZ 503676 A 20010928

DOCDB simple family (application)

EP 00201096 A 20000327; AR P000101517 A 20000403; AT 00201096 T 20000327; AU 2519700 A 20000331; BR 0001533 A 20000403; CA 2303656 A 20000403; DE 60013196 T 20000327; ES 00201096 T 20000327; JP 2000100156 A 20000403; NZ 50367600 A 20000330