

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 A1 20001011 (EN)

Application

EP 00201096 A 20000327

Priority

- EP 00201096 A 20000327
- EP 99201109 A 19990403

Abstract (en)

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)

Citation (search report)

- [A] EP 0482833 A2 19920429 - BICC PLC [GB]
- [A] EP 0448381 A2 19910925 - AMERICAN TELEPHONE & TELEGRAPH [US], et al
- [A] EP 0274888 A1 19880720 - BP CHEM INT LTD [GB]
- [A] EP 0082407 A2 19830629 - AEG TELEFUNKEN KABELWERKE [DE], et al
- [A] EP 0054424 A2 19820623 - LINDSAY & WILLIAMS LTD [GB]
- [A] DE 3228119 A1 19840202 - AEG TELEFUNKEN KABELWERKE [DE]
- [A] GB 2190384 A 19871118 - EXXON CHEMICAL PATENTS INC

Cited by

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

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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