

Title (en)

Electrical insulated cable and its manufacturing method

Title (de)

Elektrisches isoliertes Kabel und sein Herstellungsverfahren

Title (fr)

Câble électrique isolé et procédé de fabrication d'un tel câble

Publication

**EP 1073067 A1 20010131 (FR)**

Application

**EP 00402094 A 20000721**

Priority

FR 9909681 A 19990726

Abstract (en)

Electrical cable comprises a central conductor coated with a semiconductor layer, an insulating layer, an aluminum conductor of several micron thickness and a flexible lead-free polyvinyl chloride (PVC) protective sheath. An Independent claim is included for the production of the cable by coating a central conductor with a ribbed semi-conductor, extruding an insulating coating, , applying an aluminum layer by anodic oxidation or phosphatization and extruding a protective sheath of PVC.

Abstract (fr)

Le câble électrique comprend un conducteur central (10) formé d'un faisceau de fils enroulés en hélice et revêtu d'une pellicule (12) de matériau semi-conducteur, une couche (14) de matériau isolant, un tube conducteur (18) en aluminium de quelques centaines de microns d'épaisseur et une gaine de protection mécanique (20). La gaine de protection est en PVC pratiquement exempt de plomb. L'aluminium est passivé en surface.  
<IMAGE>

IPC 1-7

**H01B 9/02**

IPC 8 full level

**H01B 9/02** (2006.01)

CPC (source: EP)

**H01B 9/022** (2013.01)

Citation (search report)

- [YA] GB 2043327 A 19801001 - JEUMONT SCHNEIDER
- [YA] EP 0838493 A1 19980429 - BAERLOCHER GMBH [DE]

Citation (examination)

ROGER E. BARRAS ET AL.: "A New Era in Cable Designs and Materials to Resolve Environmental Issues", IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol. 33, no. 5, October 1997 (1997-10-01), pages 1321 - 1330, XP011022256

Cited by

EP3057102A1; DE112006001439B4; FR3032830A1

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