

Title (en)
Câble insulative structure.

Title (de)
Kabelisolierstruktur.

Title (fr)
Structure d'isolement pour câble.

Publication
EP 0644558 A1 19950322 (FR)

Application
EP 94402087 A 19940920

Priority
FR 9311234 A 19930921

Abstract (en)
The subject of the present invention is an insulative structure for cables, comprising at least one first semiconducting layer that is contiguous and coaxial with the core of the cable and is surrounded by a second electrically insulating layer which is itself covered by a third semiconducting layer, characterised in that the said semiconducting layers are exclusively composed of a matrix, comprising non-polar polymers whose components have a molecular weight (molar mass) greater than 1000, and of a conductive filler.

Abstract (fr)
La présente invention a pour objet une structure d'isolement pour câble comportant au moins une première couche semi-conductrice contigüe et coaxiale à l'âme du câble, entourée d'une deuxième couche électriquement isolante, elle-même recouverte par une troisième couche semi-conductrice, caractérisée par le fait que lesdites couches conductrices sont composée exclusivement d'une matrice comportant des polymères apolaires dont les composants ont une masse molaire supérieure à 1000 et d'une charge conductrice.

IPC 1-7
H01B 9/02

IPC 8 full level
H01B 1/20 (2006.01); **H01B 1/24** (2006.01); **H01B 9/02** (2006.01); **H01B 17/60** (2006.01); **H02G 3/22** (2006.01)

CPC (source: EP KR)
H01B 9/02 (2013.01 - KR); **H01B 9/027** (2013.01 - EP)

Citation (search report)
• [A] EP 0057604 A1 19820811 - NIPPON UNICAR CO LTD [JP]
• [A] PATENT ABSTRACTS OF JAPAN vol. 16, no. 254 (E - 1213) 9 June 1992 (1992-06-09)

Cited by
EP1978040A1; EP1634913A1; KR100839947B1; US7732711B2; US8124877B2; WO2006027261A1; WO2006027262A1

Designated contracting state (EPC)
DE DK FR GB IT NL SE

DOCDB simple family (publication)
EP 0644558 A1 19950322; EP 0644558 B1 19990602; EP 0644558 B2 20030528; CN 1108789 A 19950920; CN 1122285 C 20030924; DE 69418804 D1 19990708; DE 69418804 T2 19991209; DE 69418804 T3 20040401; DK 0644558 T3 19991213; DK 0644558 T4 20030922; FR 2710447 A1 19950331; FR 2710447 B1 19951110; JP 3658018 B2 20050608; JP H07169324 A 19950704; KR 100323179 B1 20020627; KR 950009752 A 19950424

DOCDB simple family (application)
EP 94402087 A 19940920; CN 94113695 A 19940921; DE 69418804 T 19940920; DK 94402087 T 19940920; FR 9311234 A 19930921; JP 22505494 A 19940920; KR 19940023808 A 19940917