

Title (en)
Semiconductive material, method for producing it and cable jacketed with it

Title (de)
Halbleitermaterial, Verfahren zur Herstellung desselben und damit ummanteltes Kabel

Title (fr)
Matériau semiconducteur,méthode pour sa fabrication et câble gainé avec celui-ci

Publication
EP 0971368 A1 20000112 (EN)

Application
EP 99305465 A 19990709

Priority
• US 11391498 A 19980710
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Abstract (en)
A semiconductive material for use in jacketing cables is in the form of a ternary composite having distinct co-continuous phases and comprises a minor phase material comprising a semicrystalline polymer; a conductive filler material dispersed in the minor phase material in an amount sufficient to generate a continuous conductive network in the minor phase material; and a major phase material being a polymer which when mixed with the minor phase material does not engage in electrostatic interactions that promote miscibility, the major phase material having the minor phase material dispersed therein in an amount sufficient to generate a continuous conductive network in the major phase material.

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H01B 1/22; **H01B 1/24**; **H01B 1/12**; **C08K 3/04**; **H01B 9/02**

IPC 8 full level
C08K 3/04 (2006.01); **H01B 1/12** (2006.01); **H01B 1/22** (2006.01); **H01B 1/24** (2006.01); **H01B 9/02** (2006.01)

CPC (source: EP)
H01B 1/22 (2013.01); **H01B 1/24** (2013.01)

Citation (search report)
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• [A] US 4265789 A 19810505 - CHRISTOPHERSON PHILLIPS, et al
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