

Title (en)
Insulated electrical conductor

Title (de)
Isolierter elektrischer Leiter

Title (fr)
Conducteur électrique isolé

Publication
EP 1211696 A1 20020605 (EN)

Application
EP 00870285 A 20001201

Priority
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Abstract (en)
The present invention is related to an insulated electrical conductor comprising: (a) an elongate electrical conductor (12), and (b) electrical insulation (20) surrounding the conductor, said insulation comprising (i) a coated mica tape inner layer (22) that surrounds the conductor, said coated mica tape containing from about 2 to about 30 weight percent of a first polymer impregnant, and being coated on at least one side with a fluoropolymer layer; and (ii) a polymeric outer electrically insulating layer (24) that surrounds the coated mica tape layer (22). <IMAGE>

IPC 1-7
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IPC 8 full level
H01B 3/04 (2006.01); **H01B 3/44** (2006.01); **H01B 7/295** (2006.01)

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H01B 3/04 (2013.01); **H01B 3/445** (2013.01); **H01B 7/295** (2013.01)

Citation (search report)
• [E] WO 0074075 A1 20001207 - TYCO ELECTRONICS CORP [US], et al
• [A] WO 8603329 A1 19860605 - HABIA CABLE [FR]
• [A] US 4514466 A 19850430 - LEON JR JOSEPH A [US], et al
• [A] DE 2629540 A1 19770127 - ALLIED CHEM
• [A] US 5422614 A 19950606 - RAMPALLI SITARAM [US], et al

Cited by
EP2040267A1; FR2921511A1; US7750246B2; WO2006005426A1

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