

Title (en)

Insulated conductor with multi-layer high temperature insulation.

Title (de)

Isolierte Leitung mit hochtemperaturbeständiger Multischichtisolierung.

Title (fr)

Conducteur isolé par un isolant multicouche résistant aux hautes températures.

Publication

**EP 0258036 A2 19880302 (EN)**

Application

**EP 87307504 A 19870825**

Priority

US 90174086 A 19860828

Abstract (en)

An insulated conductor for high temperature use and methods of manufacture thereof. The conductor (1) is insulated by at least three layers of insulation, the inner layer (2) being made of a perfluoroalkoxy or a polytetrafluoroethylene resin compound, the second layer (3) being made of a polyimide resin compound and the third layer (4) being made of a perfluoroalkoxy, an ethylenetetrafluoroethylene copolymer or a polyvinylidene fluoride resin compound. The layers are coated or extruded over the conductor and each other and preferably, the first layer is etched before the second layer is applied.

IPC 1-7

**H01B 7/34; H01B 13/14**

IPC 8 full level

**H01B 13/16** (2006.01); **H01B 7/02** (2006.01); **H01B 7/29** (2006.01); **H01B 13/14** (2006.01)

CPC (source: EP)

**H01B 7/0208** (2013.01); **H01B 7/29** (2013.01); **H01B 7/292** (2013.01); **H01B 13/141** (2013.01)

Cited by

CN102334168A; EP0583521A1; US5606152A; EP0859383A3; CN1314054C; CN102334167A; FR2712115A1; EP1498910A3; US5841072A; EP0684617A3; EP0673044A3; EP0380245A1; US5024506A; EP0380244A1; WO2010098846A1; US6984697B2; US6653379B2; US7462782B2; WO2010098847A1; WO2084674A3; US6930583B2; US6977574B1; US6995644B2; US7068135B1; US6208231B1; US6525636B1; US7071804B2; US6441308B1; US7276664B2

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