

Title (en)

INSULATED CONDUCTOR WITH MULTI-LAYER HIGH TEMPERATURE INSULATION

Publication

**EP 0258036 A3 19880608 (EN)**

Application

**EP 87307504 A 19870825**

Priority

US 90174086 A 19860828

Abstract (en)

[origin: EP0258036A2] 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)

Citation (search report)

- [X] EP 0056510 A1 19820728 - CHAMPLAIN CABLE CORP [US]
- [A] GB 2021304 A 19791128 - HAVEG INDUSTRIES INC

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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**EP 0258036 A2 19880302; EP 0258036 A3 19880608; EP 0258036 B1 19930707**; DE 3786429 D1 19930812; DE 3786429 T2 19931021; JP S6358709 A 19880314

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