

Title (en)

Electrical wire with refractory coating.

Title (de)

Elektrischer Draht mit feuerfester Beschichtung.

Title (fr)

Fil électrique avec enduction réfractaire.

Publication

EP 0188370 A2 19860723 (EN)

Application

EP 86300208 A 19860114

Priority

GB 8500819 A 19850114

Abstract (en)

An electrical wire comprises a copper conductor and an electrical insulating refractory coating. At least part of the coating and preferably all the coating has been formed by a sol-gel method. In addition, the conductor includes a keying layer formed from a metal other than copper in order to increase the adhesion of the refractory coating to the conductor. The keying layer may be formed for example by electroplating, rolling or wire drawing methods.

IPC 1-7

H01B 7/34; **H01B 3/12**

IPC 8 full level

H01B 7/295 (2006.01); **H01B 3/10** (2006.01); **H01B 3/12** (2006.01); **H01B 7/02** (2006.01); **H01B 7/29** (2006.01); **H01B 13/06** (2006.01)

CPC (source: EP)

H01B 3/105 (2013.01); **H01B 7/29** (2013.01); **H01B 13/065** (2013.01)

Cited by

AU627859B2; EP0930622A1; US5091609A; US5372886A; FR2827699A1; EP0435154A1; EP0292780A1; US2012225318A1; US10308071B2; WO9011603A1; WO8900757A1; US6746991B2; WO03010781A3; EP0729157B1; EP0461267B1

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