

Title (en)

Electrical conductor member such as a wire with an inorganic insulating coating

Title (de)

Elektrisches Leiterelement wie ein Draht mit anorganischen Isolierbeschichtung

Title (fr)

Élément électrique conducteur tel qu'un fil muni d'un revêtement isolant inorganique

Publication

EP 0729157 A1 19960828 (EN)

Application

EP 95102703 A 19950224

Priority

EP 95102703 A 19950224

Abstract (en)

An insulated electrical conductor wire has a conductor core (1, 11, 21, 31) containing Ni or Ni alloy at least in its outer surface, an oxide layer (2, 12, 22, 32) of Ni or Ni alloy formed by oxidation treatment of the outer surface of the conductor, and an insulating inorganic compound outer layer (3, 13, 23, 33) formed on the oxide layer of Ni or Ni alloy. The insulating inorganic outer layer is intimately bonded to the oxide layer and provides an improved heat resistance and insulability. <IMAGE>

IPC 1-7

H01B 7/34; **H01B 3/10**

IPC 8 full level

H01B 3/10 (2006.01); **H01B 7/29** (2006.01); **H01B 7/295** (2006.01)

CPC (source: EP)

H01B 3/105 (2013.01); **H01B 7/292** (2013.01); **H01B 7/295** (2013.01)

Citation (search report)

- [A] EP 0494424 A1 19920715 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- [A] EP 0416131 A1 19910313 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- [A] EP 0292780 A1 19881130 - SUMITOMO ELECTRIC INDUSTRIES [JP]

Cited by

US7935885B2; US7572980B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0729157 A1 19960828; **EP 0729157 B1 19980429**; DE 69502270 D1 19980604; DE 69502270 T2 19990107

DOCDB simple family (application)

EP 95102703 A 19950224; DE 69502270 T 19950224