

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 B1 19980429 (EN)**

Application  
**EP 95102703 A 19950224**

Priority  
EP 95102703 A 19950224

Abstract (en)  
[origin: EP0729157A1] 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 (examination)  
EP 0188370 A2 19860723 - RAYCHEM LTD [GB]

Cited by  
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Designated contracting state (EPC)  
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**EP 0729157 A1 19960828**; **EP 0729157 B1 19980429**; DE 69502270 D1 19980604; DE 69502270 T2 19990107

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