

Title (en)
Insulated electrical conductor with preserved functionality in case of fire

Title (de)
Isolierter elektrischer Leiter mit Funktionserhalt im Brandfall

Title (fr)
conducteur électrique isolé continuant à fonctionner en cas d'incendie

Publication
EP 1619694 A1 20060125 (DE)

Application
EP 04291877 A 20040723

Priority
EP 04291877 A 20040723

Abstract (en)
An electrical conductor consists of a metallic conductor (1) with a glass / mica layer on top, and a surrounding plastic layer. The glass / mica layer consists of two band sections. The first band (2) has edges which overlap by 25-50%. The second band (4) has an inner mica layer and is wound around the first band, with edges that overlap between 25-50%. The plastic layer (5) contains a material, which forms a ceramic in the event of a fire.

IPC 8 full level
H01B 7/02 (2006.01); **H01B 7/18** (2006.01); **H01B 7/29** (2006.01); **H01B 7/295** (2006.01)

CPC (source: EP)
H01B 3/04 (2013.01); **H01B 3/08** (2013.01); **H01B 7/295** (2013.01); **H01B 7/0241** (2013.01); **H01B 7/0258** (2013.01)

Citation (search report)

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- [Y] WO 9602920 A1 19960201 - RAYCHEM LTD [GB], et al
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CN113921190A; EP3937191A1; JP2022014885A; WO2016128785A1; US10453588B2; WO2017130016A1; US11276511B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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