

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

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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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Designated contracting state (EPC)

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