

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 B1 20120905 (DE)

Application
EP 04291877 A 20040723

Priority
EP 04291877 A 20040723

Abstract (en)
[origin: EP1619694A1] 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 7/18 (2006.01); **H01B 7/02** (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)

Cited by
CN113921190A; EP3937191A1; JP2022014885A; WO2016128785A1; US10453588B2; WO2017130016A1; US11276511B2

Designated contracting state (EPC)
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