

Title (en)

WIRE CONSTRUCTION FOR CABLES HAVING INSULATION AND FUNCTIONALITY APPLYING IN CASE OF FIRE

Title (de)

ADERKONSTRUKTION FÜR KABEL MIT IM BRANDFALL GELTENDEM ISOLATIONS-/FUNKTIONSERHALT

Title (fr)

ENSEMBLE GAINÉ POUR CÂBLES, CONSERVANT SA FONCTION ET SES PROPRIÉTÉS D'ISOLATION EN CAS D'INCENDIE

Publication

EP 2294161 A1 20110316 (DE)

Application

EP 09757241 A 20090529

Priority

- EP 2009003863 W 20090529
- DE 102008026062 A 20080530

Abstract (en)

[origin: WO2009146858A1] The invention relates to a wire for use in electric cables, having a fire-resistant insulation based on cross-linkable polymers comprising ceramic-forming additives, said insulation surrounding a conductor (10), wherein the insulation has a first layer (11) comprised of a first composition, and a second layer (12) comprised of a second composition surrounding the outside of the first layer (11), wherein the first and the second compositions are set such that a ceramic forms in the composition constituting the second outer layer (12) at a lower temperature range than that in the composition constituting the inner first layer (11).

IPC 8 full level

C09K 21/02 (2006.01); **H01B 3/02** (2006.01); **H01B 3/08** (2006.01); **H01B 3/12** (2006.01); **H01B 7/29** (2006.01)

CPC (source: EP US)

H01B 7/295 (2013.01 - EP US)

Citation (search report)

See references of WO 2009146858A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009146858 A1 20091210; AT E533828 T1 20111215; AU 2009254219 A1 20091210; AU 2009254219 B2 20141106; BR PI0912116 A2 20151103; BR PI0912116 B1 20181106; EP 2294161 A1 20110316; EP 2294161 B1 20111116; ES 2381622 T3 20120530; US 2011139487 A1 20110616; US 8642889 B2 20140204

DOCDB simple family (application)

EP 2009003863 W 20090529; AT 09757241 T 20090529; AU 2009254219 A 20090529; BR PI0912116 A 20090529; EP 09757241 A 20090529; ES 09757241 T 20090529; US 99539609 A 20090529