Title (en)
A FIRE PERFORMANCE MATERIAL, AND CABLE INCLUDING THE MATERIAL

Title (de)
FEUERSCHUTZMATERIAL UND KABEL MIT DIESEM MATERIAL

Title (fr)
MATÉRIAU FAISANT PREUVE DE PERFORMANCE AU FEU, ET CÂBLE LE CONTENANT

Publication
EP 2401329 A1 20120104 (EN)

Application
EP 10719380 A 20100225

Priority
• IB 2010000628 W 20100225
• AU 2009900820 A 20090225

Abstract (en)
[origin: WO2010097705A1] A fire resistant material including an extrudable mixture of an silicone elastomer or polymer 1.006 including silicone and CaCO3 filler 1.004, the CaCO3 filler being present in the mixture in an amount to leave an insulating or protective layer 1.012 on a substrate such as an electrical conductor 1.010. The material contains no more than 50 parts by weight of ceramizable or glassforming filler to 100 parts by weight polymer. The silicone polymer and CaCO3 in combination preferably form more than 92% of the material. When used as a layer or jacket for a cable, the mixture decomposes on exposure to fire to provide a protective or electrically insulative layer on the conductor.

IPC 8 full level
C08L 83/04 (2006.01); **C08K 3/00** (2006.01); **C08K 3/26** (2006.01); **C09D 5/18** (2006.01); **C09D 183/04** (2006.01); **H01B 3/46** (2006.01); **H01B 7/295** (2006.01)

CPC (source: EP US)
C08L 83/04 (2013.01 - EP); **C09D 5/18** (2013.01 - EP); **C09D 7/61** (2017.12 - EP US); **C09D 183/04** (2013.01 - EP); **H01B 3/46** (2013.01 - EP); **H01B 7/295** (2013.01 - EP); C08K 3/26 (2013.01 - EP)

Citation (search report)
See references of WO 2010097705A1

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 SM TR

DOCDB simple family (publication)
WO 2010097705 A1 20100902; AU 2010217302 A1 20110811; CA 2750512 A1 20100902; EP 2401329 A1 20120104

DOCDB simple family (application)
IB 2010000628 W 20100225; AU 2010217302 A 20100225; CA 2750512 A 20100225; EP 10719380 A 20100225