

Title (en)

FLUORINE-CONTAINING ELASTOMER COMPOSITIONS SUITABLE FOR HIGH TEMPERATURE APPLICATIONS

Title (de)

FLUORHALTIGE ELASTOMERZUSAMMENSETZUNGEN FÜR HOCHTEMPERATURANWENDUNGEN

Title (fr)

COMPOSITIONS ÉLASTOMÈRES CONTENANT DU FLUOR APPROPRIÉES POUR DES APPLICATIONS HAUTE TEMPÉRATURE

Publication

EP 3097126 A1 20161130 (EN)

Application

EP 15740537 A 20150122

Priority

- US 201461930464 P 20140122
- US 2015012513 W 20150122

Abstract (en)

[origin: WO2015112751A1] A curable fluorine-containing elastomer composition is described which includes a first curable perfluoropolymer comprising tetrafluoroethylene, a first perfluoroalkylvinyl ether and at least two cure site monomers, each having at least one cure site, wherein tetrafluoroethylene is present in the first curable perfluoropolymer in an amount of at least about 50 mole percent; a second curable perfluoropolymer comprising tetrafluoroethylene, a second perfluoroalkylvinyl ether and at least one second cure site monomer having at least one cure site, wherein the second curable perfluoropolymer comprises fluoroplastic particles therein; and at least two curatives. Cured compositions and molded articles formed from such compositions are also disclosed.

IPC 8 full level

C08F 214/26 (2006.01); **C08F 214/18** (2006.01)

CPC (source: EP KR)

C08F 214/262 (2013.01 - EP KR); **C08K 5/17** (2013.01 - EP KR); **C08K 5/18** (2013.01 - EP KR); **C08L 27/18** (2013.01 - EP KR); **C08L 2201/02** (2013.01 - KR); **C08L 2205/025** (2013.01 - EP); **C08L 2205/03** (2013.01 - EP)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015112751 A1 20150730; EP 3097126 A1 20161130; EP 3097126 A4 20171011; JP 2017503896 A 20170202; JP 2019108563 A 20190704; JP 6726099 B2 20200722; KR 102299308 B1 20210907; KR 20160125372 A 20161031; SG 11201606043X A 20160830; TW 201533127 A 20150901; TW I675876 B 20191101

DOCDB simple family (application)

US 2015012513 W 20150122; EP 15740537 A 20150122; JP 2016547573 A 20150122; JP 2019077921 A 20190416; KR 20167022179 A 20150122; SG 11201606043X A 20150122; TW 104102073 A 20150122