

Title (en)

MELT PROCESSIBLE SEMICRYSTALLINE FLUOROPOLYMER HAVING REPEATING UNITS ARISING FROM TETRAFLUOROETHYLENE, HEXAFLUOROPROPYLENE, AND HYDROCARBON MONOMER HAVING A CARBOXYL GROUP AND A POLYMERIZABLE CARBON-CARBON DOUBLE BOND AND MULTI-LAYER ARTICLES COMPRISING A LAYER OF THE MELT PROCESSIBLE SEMICRYSTALLINE FLUOROPOLYMER

Title (de)

SCHMELZVERARBEITBARES HALBKRYSTALLFLUORPOLYMER MIT SICH WIEDERHOLENDEN EINHEITEN AUS TETRAFLUORETHYLEN, HEXAFLUOROPROPYLEN UND KOHLENWASSERSTOFFMONOMER MIT EINER CARBOXYLGRUPPE UND EINER POLYMERISIERBAREN KOHLENSTOFF-KOHLENSTOFF-DOPPELBINDUNG SOWIE MEHRSCICHTIGE ARTIKEL MIT EINER SCHICHT AUS DEM SCHMELZVERARBEITBAREN HALBKRYSTALLINEN FLUORPOLYMER

Title (fr)

FLUOROPOLYMÈRE SEMI-CRISTALLIN POUVANT ÊTRE TRAITÉ À L'ÉTAT FONDU AYANT DES UNITÉS SE RÉPÉTANT PROVENANT DE TÉTRAFLUOROÉTHYLÈNE, D'HEXAFLUOROPROPYLÈNE ET D'UN MONOMÈRE HYDROCARBURE AYANT UN GROUPE CARBOXYLE ET UNE DOUBLE LIAISON CARBONE-CARBONE POLYMÉRISABLE, ET ARTICLES MULTICOUCHES COMPRENANT UNE COUCHE DU FLUOROPOLYMÈRE SEMI-CRISTALLIN POUVANT ÊTRE TRAITÉ À L'ÉTAT FONDU

Publication

EP 2310427 A1 20110420 (EN)

Application

EP 09791268 A 20090807

Priority

- US 2009053092 W 20090807
- US 8735908 P 20080808
- US 8738408 P 20080808
- US 8736908 P 20080808
- US 8737908 P 20080808

Abstract (en)

[origin: WO2010017444A1] Disclosed is a melt processible semicrystalline fluoropolymer comprising: (a) about 2 to about 20 weight percent of repeating units arising from hexafluoropropylene; (b) about 0.001 to about 1 weight percent of repeating units arising from a hydrocarbon monomer having a carboxyl group and a polymerizable carbon-carbon double bond; and (c) the remaining weight percent of repeating units arising from tetrafluoroethylene. This melt processible semicrystalline fluoropolymer is impermeable to fuels and is useful as a lining for petroleum fuel tubing, as well as chemical resistance coating for, or adhesive between, perfluoropolymer and other polymers, metals and inorganics.

IPC 8 full level

C08F 214/26 (2006.01)

CPC (source: EP)

C08F 214/26 (2013.01)

Citation (search report)

See references of WO 2010017444A1

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010017444 A1 20100211; CN 102112502 A 20110629; EP 2310427 A1 20110420; JP 2011530627 A 20111222

DOCDB simple family (application)

US 2009053092 W 20090807; CN 200980130202 A 20090807; EP 09791268 A 20090807; JP 2011522262 A 20090807