

Title (en)
COPOLYMERS OF VINYLIDENE FLUORIDE AND HEXAFLUOROPROPYLENE HAVING REDUCED EXTRACTABLE CONTENT AND IMPROVED SOLUTION CLARITY

Title (de)
KOPOLYMERE AUS VINYLIDENFLUORIDEN UND HEXAFLUOROPROPYLENEN MIT VERRINGERTEM EXTRAHIERBAREM ANTEIL UND VERBESSERTER LÖSUNGSKLARHEIT

Title (fr)
COPOLYMERES DE FLUORURE DE VINYLIDENE ET D'HEXAFLUOROPROPYLENE PRESENTANT UNE TENEUR EN CONSTITUANTS EXTRACTIBLES REDUITE ET UNE TRANSPARENCE DE SOLUTION AMELIOREE

Publication
EP 0907976 A4 20051102 (EN)

Application
EP 98908864 A 19980227

Priority

- US 9804071 W 19980227
- US 3834697 P 19970228
- US 3101598 A 19980226

Abstract (en)
[origin: WO9838687A1] New and novel copolymers of vinylidene fluoride and hexafluoropropylene containing up to about 24 % by weight hexafluoropropylene having improved solution clarity and fluidity, longer gel times and lower extractables than prior art vinylidene fluoride-hexafluoropropylene copolymers of comparable HFP content whose syntheses are disclosed in sufficient detail to duplicate, the novel compositions of matter and articles of manufacture containing such copolymers, of the compositions of matter containing such copolymers and of the articles of manufacture containing such copolymers are disclosed. Also disclosed are novel battery constructions based on the novel copolymers of vinylidene fluoride/hexafluoropropylene copolymers of the invention, on vinylidene fluoride homopolymers having a bimodal molecular weight distribution and on vinylidene fluoride/chlorotrifluoroethylene copolymers having a substantially homogeneous monomer distribution.

IPC 1-7
H01M 6/16; **H01M 10/40**; **H01M 2/16**; **H01M 4/62**; **H01M 6/18**; **H01M 8/10**; **C08J 5/22**; **C08F 214/22**; **H01B 1/12**

IPC 8 full level
C08F 214/22 (2006.01); **C08J 5/22** (2006.01); **H01B 1/12** (2006.01); **H01M 6/18** (2006.01); **H01M 8/10** (2006.01); **H01M 10/052** (2010.01); **H01M 10/0565** (2010.01); **H01M 50/426** (2021.01); **H01M 4/62** (2006.01)

CPC (source: EP KR US)
H01M 6/16 (2013.01 - KR); **H01M 10/052** (2013.01 - EP); **H01M 10/0565** (2013.01 - EP); **H01M 50/426** (2021.01 - EP KR US); **H01M 4/621** (2013.01 - EP); **H01M 2300/0085** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

- [X] EP 0730316 A1 19960904 - ATOCHEM NORTH AMERICA ELF [US]
- [XA] WO 9515589 A1 19950608 - BELL COMMUNICATIONS RES [US]
- [A] EP 0456019 A1 19911113 - ATOCHEM NORTH AMERICA [US]
- See also references of WO 9838687A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9838687 A1 19980903; CA 2251648 A1 19980903; CN 1217824 A 19990526; CN 1311577 C 20070418; EP 0907976 A1 19990414; EP 0907976 A4 20051102; HU P9903748 A2 20000328; HU P9903748 A3 20000628; ID 20294 A 19981126; JP 2002513506 A 20020508; KR 100537303 B1 20060714; KR 20000065176 A 20001106

DOCDB simple family (application)
US 9804071 W 19980227; CA 2251648 A 19980227; CN 98800207 A 19980227; EP 98908864 A 19980227; HU P9903748 A 19980227; ID 980106 D 19980227; JP 53795098 A 19980227; KR 19980708803 A 19981028