

Title (en)
POLYMERS DERIVED FROM ISOBUTYLENE AND FLUORO MONOMER

Title (de)
POLYMER AUS ISOBUTEN UND FLUORMONOMER

Title (fr)
POLYMERES DERIVES D'ISOBUTYLENE ET DE FLUOROMONOMERES

Publication
EP 1474455 A1 20041110 (EN)

Application
EP 03711012 A 20030213

Priority
• US 0304291 W 20030213
• US 7764502 A 20020215
• US 35758003 A 20030204

Abstract (en)
[origin: WO03070791A1] A composition that includes a fluorine-containing copolymer containing at least 30 mol % of residues having the following alternating structural unit: -[DM-AM]-where DM represents a residue from a donor monomer having the following structure (I): R1 is linear or branched C1 to C4 alkyl; R2 is selected from methyl, linear, cyclic or branched C1 to C20 alkyl, alkenyl, aryl, alkaryl and aralkyl; and AM represents an acceptor monomer. The copolymer contains at least 5 wt.% fluorine. The composition may include co-reactive functional groups and may be a thermosetting composition, which can be used to coat a substrate. The thermosetting composition may be part of a multi-component composite coating composition that includes a base coat deposited from a pigmented film-forming composition and a substantially pigment free top coat applied over at least a portion of the base coat.

IPC 1-7
C08F 210/10; **C08F 214/18**; **C09D 123/22**; **C09D 127/12**

IPC 8 full level
C09D 157/08 (2006.01); **B05D 3/02** (2006.01); **B05D 7/00** (2006.01); **C08F 8/00** (2006.01); **C08F 210/00** (2006.01); **C08F 210/10** (2006.01); **C08F 214/18** (2006.01); **C08F 220/10** (2006.01); **C08F 290/04** (2006.01); **C08G 18/62** (2006.01); **C08G 18/79** (2006.01); **C08G 18/80** (2006.01); **C09D 123/22** (2006.01); **B05D 1/00** (2006.01); **B05D 3/06** (2006.01)

CPC (source: EP KR)
B05D 3/0209 (2013.01 - EP); **B05D 7/57** (2013.01 - EP); **C08F 8/00** (2013.01 - EP); **C08F 210/10** (2013.01 - EP); **C08F 214/186** (2013.01 - EP); **C08F 220/10** (2013.01 - EP); **C08F 290/046** (2013.01 - EP); **C08F 290/12** (2013.01 - KR); **C08F 291/04** (2013.01 - KR); **C08G 18/6229** (2013.01 - EP); **C08G 18/792** (2013.01 - EP); **C08G 18/798** (2013.01 - EP); **C08G 18/8025** (2013.01 - EP); **C08G 18/807** (2013.01 - EP); **C08G 18/8074** (2013.01 - EP); **C09D 123/22** (2013.01 - EP); **H01L 21/34** (2013.01 - KR); **B05D 1/007** (2013.01 - EP); **B05D 3/067** (2013.01 - EP); **B05D 7/53** (2013.01 - EP); **C08G 2150/20** (2013.01 - EP)

C-Set (source: EP)
1. **C08F 8/00 + C08F 220/12**
2. **C08F 8/00 + C08F 210/10**
3. **C09D 123/22 + C08L 2666/28**
4. **C08F 210/10 + C08F 212/00 + C08F 220/00 + C08F 2500/26**
5. **C08F 210/10 + C08F 212/00 + C08F 222/00 + C08F 2500/26**
6. **C08F 210/10 + C08F 220/00 + C08F 222/00 + C08F 212/00 + C08F 2500/26**
7. **C08F 210/10 + C08F 220/10**
8. **C08F 210/10 + C08F 220/00 + C08F 214/18 + C08F 2500/03 + C08F 2500/02**

Citation (search report)
See references of WO 03070791A1

Cited by
KR100856595B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03070791 A1 20030828; AU 2003215198 A1 20030909; AU 2003215198 B2 20050707; BR 0307717 A 20050111; CA 2476099 A1 20030828; CN 1284809 C 20061115; CN 1639207 A 20050713; EP 1474455 A1 20041110; JP 2005517778 A 20050616; JP 2007277577 A 20071025; KR 100586125 B1 20060607; KR 20040091046 A 20041027

DOCDB simple family (application)
US 0304291 W 20030213; AU 2003215198 A 20030213; BR 0307717 A 20030213; CA 2476099 A 20030213; CN 03804974 A 20030213; EP 03711012 A 20030213; JP 2003569698 A 20030213; JP 2007175667 A 20070703; KR 20047012623 A 20040813