

Title (en)

HYDROPHOBIC MODIFICATION OF MINERAL FILLERS AND MIXED POLYMER SYSTEMS

Title (de)

HYDROPHOBMODIFIZIERUNG VON MINERALISCHEN FÜLLSTOFFEN UND GEMISCHTE POLYMERSYSTEME

Title (fr)

MODIFICATION HYDROPHOBE DE MATIÈRES DE CHARGE MINÉRALES ET SYSTÈMES POLYMÈRES MIXTES

Publication

EP 2220156 A4 20130123 (EN)

Application

EP 08846693 A 20081110

Priority

- AU 2008001666 W 20081110
- AU 2007906165 A 20071109

Abstract (en)

[origin: WO2009059382A1] A process for imparting hydrophobicity to a filler with a blend of a plurality of silanes, said process including admixing at least one mildly hydrophobic silane, at least one strongly hydrophobic silane, and at least one functional silane with said filler under controlled alkaline conditions.

IPC 8 full level

C08K 9/06 (2006.01); **C08L 63/00** (2006.01); **C08L 83/04** (2006.01); **C08L 91/06** (2006.01); **C09C 1/30** (2006.01); **C09C 3/12** (2006.01)

CPC (source: EP)

C08G 59/12 (2013.01); **C08G 59/4215** (2013.01); **C08L 63/00** (2013.01); **C09C 1/3081** (2013.01); **C09C 3/12** (2013.01); **C01P 2004/03** (2013.01); **C01P 2006/19** (2013.01); **C01P 2006/22** (2013.01); **C08K 9/06** (2013.01)

Citation (search report)

- [XP] WO 2007146290 A2 20071221 - MOMENTIVE PERFORMANCE MAT INC [US], et al
- [XP] WO 2007146289 A2 20071221 - MOMENTIVE PERFORMANCE MAT INC [US], et al
- [XP] EP 1978055 A1 20081008 - EADS EUROP AERONAUTIC DEFENCE [FR], et al
- [XII] US 4218360 A 19800819 - BERGER SIDNEY E [US], et al
- [XII] US 6500883 B1 20021231 - MACK HELMUT [DE], et al
- See references of WO 2009059382A1

Cited by

CN109734963A

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009059382 A1 20090514; AU 2008324707 A1 20090514; AU 2008324707 B2 20130718; EP 2220156 A1 20100825; EP 2220156 A4 20130123; NZ 585945 A 20110331

DOCDB simple family (application)

AU 2008001666 W 20081110; AU 2008324707 A 20081110; EP 08846693 A 20081110; NZ 58594508 A 20081110