

Title (en)
POLYMER NANOCOMPOSITE COMPOSITION

Title (de)
POLYMER-NANOVERBUNDWERKSTOFF

Title (fr)
COMPOSITION NANOCOMPOSITE POLYMERES

Publication
EP 1054922 A4 20010808 (EN)

Application
EP 98906385 A 19980213

Priority
US 9802768 W 19980213

Abstract (en)
[origin: WO9941299A1] A polymer nanocomposite composition of a polyamide and a treated silicate, wherein the treated silicate includes a silicate material treated with at least one ammonium ion of the formula: $\text{NR}_1\text{R}_2\text{R}_3\text{R}_4$ wherein R1, R2, R3 and R4 are independently selected from a group consisting of a saturated or unsaturated C1 to C22 hydrocarbon, substituted hydrocarbon and branched hydrocarbon, or where R1 and R2 form a N,N-cyclic ether, and optionally, one of R1, R2, R3 and R4 is hydrogen.

IPC 1-7
C08J 5/10; **C08K 3/34**; **C08L 77/00**; **C08K 9/04**

IPC 8 full level
C08J 5/10 (2006.01); **C08K 3/34** (2006.01); **C08K 9/04** (2006.01); **C08L 77/00** (2006.01)

CPC (source: EP)
C08K 9/04 (2013.01)

Citation (search report)

- [XY] US 5385776 A 19950131 - MAXFIELD MACRAE [US], et al
- [XY] WO 9304118 A1 19930304 - ALLIED SIGNAL INC [US]
- [X] WO 9304117 A1 19930304 - ALLIED SIGNAL INC [US]
- See references of WO 9941299A1

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WO 9941299 A1 19990819; AU 6162398 A 19990830; BR 9815778 A 20011030; CA 2320988 A1 19990819; CN 1301278 A 20010627; EP 1054922 A1 20001129; EP 1054922 A4 20010808; JP 2003517488 A 20030527; KR 20010040964 A 20010515

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