

Title (en)
POLYMER NANOCOMPOSITE COMPOSITION

Title (de)
POLYMER-NANOVERBUNDWERKSTOFF

Title (fr)
COMPOSITION NANOCOMPOSITE POLYMERE

Publication
EP 1054922 A1 20001129 (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**

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

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