

Title (en)

METALLIZED NANOSTRUCTURED CHEMICALS ALLOYED INTO POLYMERS

Title (de)

METALLBESCHICHTETE IN POLYMERE LEGIERTE CHEMIKALIEN

Title (fr)

PRODUITS CHIMIQUES MÉTALLISÉS NANOSTRUCTURÉS ALLIÉS DANS DES POLYMÈRES

Publication

EP 1931351 A2 20080618 (EN)

Application

EP 06851608 A 20060821

Priority

- US 2006032651 W 20060821
- US 70963805 P 20050819

Abstract (en)

[origin: WO2008051190A2] Metallized nanostructured chemicals are incorporated at the molecular level as alloying agents for the reinforcement of polymer microstructures, including polymer coils, domains, chains, and segments. Direct blending processes are effective because of the tailorable compatibility of the metallized nanostructured chemicals with polymers.

IPC 8 full level

C08J 3/20 (2006.01); **C08F 8/42** (2006.01); **C08K 5/549** (2006.01)

CPC (source: EP KR)

A61K 31/513 (2013.01 - KR); **B82B 3/00** (2013.01 - KR); **C08F 8/42** (2013.01 - EP); **C08J 3/20** (2013.01 - EP KR); **C08J 3/201** (2013.01 - EP); **C08K 3/34** (2013.01 - KR); **C08K 5/549** (2013.01 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2008051190 A2 20080502; **WO 2008051190 A3 20081113**; **WO 2008051190 A9 20090108**; CN 101405132 A 20090408; EP 1931351 A2 20080618; EP 1931351 A4 20100623; JP 2009509030 A 20090305; KR 20080065588 A 20080714; RU 2008110470 A 20090927; TW 200728359 A 20070801

DOCDB simple family (application)

US 2006032651 W 20060821; CN 200680030179 A 20060821; EP 06851608 A 20060821; JP 2008541156 A 20060821; KR 20087006536 A 20080318; RU 2008110470 A 20060821; TW 95130638 A 20060821