

Title (en)

METALLIZED NANOSTRUCTURED CHEMICALS AS CURE PROMOTERS

Title (de)

METALLISIERTE NANOSTRUKTURIERTE CHEMIKALIEN ALS HÄRTUNGSMITTEL

Title (fr)

AGENTS CHIMIQUES NANOSTRUCTURES METALLISES PROMOTEURS DE DURCISSEMENT

Publication

EP 1928948 A4 20101124 (EN)

Application

EP 06825264 A 20060928

Priority

- US 2006038137 W 20060928
- US 72233205 P 20050929

Abstract (en)

[origin: WO2007041344A2] Metallized polyhedral oligomeric silsesquioxanes and metallized polyhedral oligomeric silicates are used as cure promoters, catalysts, and alloying agents for the reinforcement of polymer microstructures, including polymer coils, domains, chains, and segments, at the molecular level. Because of their tailorable compatibility with polymers, polyhedral oligomeric metallosesquioxanes (POMS) can be readily and selectively incorporated into polymers by common mixing processes.

IPC 8 full level

C08K 5/5419 (2006.01)

CPC (source: EP KR)

B82Y 30/00 (2013.01 - EP); **C08J 3/20** (2013.01 - EP); **C08J 5/005** (2013.01 - EP); **C08K 5/5419** (2013.01 - KR); **C08K 5/549** (2013.01 - EP); **C08K 7/00** (2013.01 - KR); **C08L 101/00** (2013.01 - KR); **B82Y 40/00** (2013.01 - KR)

Citation (search report)

- [X] US 2005192364 A1 20050901 - LICHTENHAN JOSEPH D [US], et al
- [XP] US 2006127583 A1 20060615 - LICHTENHAN JOSEPH D [US], et al
- See references of WO 2007041344A2

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

DOCDB simple family (publication)

WO 2007041344 A2 20070412; WO 2007041344 A3 20071227; WO 2007041344 A8 20080522; CN 101278003 A 20081001; EP 1928948 A2 20080611; EP 1928948 A4 20101124; JP 2009510229 A 20090312; KR 20080068033 A 20080722; RU 2008116846 A 20091110; TW 200738822 A 20071016

DOCDB simple family (application)

US 2006038137 W 20060928; CN 200680036100 A 20060928; EP 06825264 A 20060928; JP 2008533686 A 20060928; KR 20087010124 A 20080428; RU 2008116846 A 20060928; TW 95135999 A 20060928