

Title (en)  
COATED AND FUNCTIONALIZED PARTICLES, POLYMER CONTAINING SAME, METHOD FOR PREPARING SAME AND USES THEREOF

Title (de)  
BESCHICHTETE UND FUNKTIONALISIERTE PARTIKEL, POLYMER DAMIT, VERFAHREN ZU IHRER HERSTELLUNG UND ANWENDUNGEN DAVON

Title (fr)  
PARTICULES ENROBEES ET FONCTIONNALISEES, POLYMERES LES CONTENANT, LEUR PROCEDE DE PREPARATION ET LEURS UTILISATIONS

Publication  
**EP 2237875 A2 20101013 (FR)**

Application  
**EP 09704575 A 20090121**

Priority  
• EP 2009050645 W 20090121  
• FR 0850378 A 20080122

Abstract (en)  
[origin: WO2009092725A2] The present invention relates to a particle comprising a core composed of an oxide chosen from rare-earth oxides alone or as a mixture with metal oxides, coated with a layer of silica functionalized by a coupling agent consisting of at least one chemical function soluble in a hydrophobic solvent and also to a composition comprising at least one such particle. The present invention also relates to the method for preparing same and the various uses thereof.

IPC 8 full level  
**B01J 13/20** (2006.01)

CPC (source: EP US)  
**B01J 13/02** (2013.01 - EP US); **C09C 1/30** (2013.01 - EP US); **C09C 1/3063** (2013.01 - EP US); **C09C 1/3081** (2013.01 - EP US); **C09K 11/025** (2013.01 - US); **G01N 21/6489** (2013.01 - US); **C01P 2006/60** (2013.01 - EP US); **Y10T 436/13** (2015.01 - EP US)

Citation (search report)  
See references of WO 2009092725A2

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**FR 2926473 A1 20090724; FR 2926473 B1 20120727**; EP 2237875 A2 20101013; JP 2011509913 A 20110331; JP 5721439 B2 20150520; US 2011104811 A1 20110505; US 2015093835 A1 20150402; WO 2009092725 A2 20090730; WO 2009092725 A3 20091015

DOCDB simple family (application)  
**FR 0850378 A 20080122**; EP 09704575 A 20090121; EP 2009050645 W 20090121; JP 2010543483 A 20090121; US 201414553063 A 20141125; US 86397109 A 20090121