

Title (en)
POLYMER-ENCAPSULATED PIGMENT PARTICLE

Title (de)
POLYMERVERKAPSELTE PIGMENTPARTIKEL

Title (fr)
PARTICULE DE PIGMENT ENCAPSULÉ DANS DU POLYMÈRE

Publication
EP 3022261 A4 20170222 (EN)

Application
EP 14826975 A 20140718

Priority
• US 201361856460 P 20130719
• US 201462025277 P 20140716
• US 2014047188 W 20140718

Abstract (en)
[origin: WO2015010016A1] A polymer-encapsulated pigment dispersion is prepared from a mixture of (a) a carrier; (b) pigment particles; and (c) a polymeric dispersing agent having a polymer backbone, and a zwitterionic polymer side chain comprising anionic and cationic groups. The dispersing agent may provide efficient pigment wetting and dispersion using relatively low and thus economical pigment amounts, with good opacity and good hiding characteristics, especially in titanium dioxide-containing coating compositions

IPC 8 full level
C09C 3/10 (2006.01); **C09C 1/36** (2006.01); **C09D 7/41** (2018.01); **C09D 7/45** (2018.01); **C09D 7/65** (2018.01)

CPC (source: EP US)
C09C 1/3676 (2013.01 - EP); **C09C 3/10** (2013.01 - EP US); **C09D 5/00** (2013.01 - EP); **C09D 7/40** (2018.01 - US); **C09D 7/41** (2018.01 - EP US); **C09D 7/45** (2018.01 - EP US); **C09D 7/65** (2018.01 - EP US); **C09D 17/00** (2013.01 - EP); **C01P 2004/52** (2013.01 - EP); **C01P 2004/62** (2013.01 - EP); **C01P 2006/60** (2013.01 - EP)

Citation (search report)
• [Y] US 2009253853 A1 20091008 - LIN TYAU-JEEN [US], et al
• [Y] US 7795330 B2 20100914 - BIRMINGHAM JOHN NICHOLAS [US], et al
• [Y] US 2013087736 A1 20130411 - BAKER MATTHEW P [AU], et al

Citation (examination)
• US 2010056668 A1 20100304 - BROWN WARD THOMAS [US]
• See also references of WO 2015010016A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
US 2014047188 W 20140718; AU 2014290450 A 20140718; CN 201480040853 A 20140718; EP 14826975 A 20140718