

Title (en)
TITANIUM DIOXIDE PIGMENT

Title (de)
TITANDIOXIDPIGMENT

Title (fr)
PIGMENT DE DIOXYDE DE TITANE

Publication
EP 2925819 A1 20151007 (EN)

Application
EP 13808064 A 20131127

Priority
• FI 20126250 A 20121128
• FI 2013051112 W 20131127

Abstract (en)
[origin: WO2014083242A1] The present invention relates to a method for processing a titanium dioxide pigment and to said pigments and uses thereof. The method comprises the steps of providing an aqueous suspension of titanium dioxide core particles to an elevated temperature, and introducing a silicon containing compound into said slurry the pH of which is made alkaline, and decreasing the pH of said slurry to a value of about 6 for precipitating the silicon containing layer onto said titanium dioxide core, and introducing subsequently an aluminum containing compound into said slurry the pH of which is acidic, and increasing the pH of said slurry to a neutral value. Subsequently, a phosphate containing compound is introduced to said slurry, the resulting slurry is filtered into a suspension cake, and an organosilane compound is introduced to said suspension and the obtained pigment product is dried. Optionally, phosphate containing compound is added after filtration and washing into silica-alumina coated pigment slurry. Improved colour stability is obtained in polycarbonate plastics plated prepared using above mentioned titanium dioxide pigments.

IPC 8 full level
C09C 1/36 (2006.01)

CPC (source: EP FI)
C08K 9/06 (2013.01 - EP); **C08L 69/00** (2013.01 - FI); **C09C 1/3661** (2013.01 - EP); **C09C 1/3684** (2013.01 - EP); **C09C 1/3692** (2013.01 - FI); **C01P 2002/82** (2013.01 - EP); **C01P 2006/12** (2013.01 - EP); **C01P 2006/14** (2013.01 - EP); **C01P 2006/16** (2013.01 - EP); **C01P 2006/62** (2013.01 - EP); **C01P 2006/63** (2013.01 - EP); **C01P 2006/64** (2013.01 - EP); **C08K 2003/2241** (2013.01 - EP)

Citation (search report)
See references of WO 2014083242A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014083242 A1 20140605; EP 2925819 A1 20151007; FI 125473 B 20151015; FI 20126250 A 20140529

DOCDB simple family (application)
FI 2013051112 W 20131127; EP 13808064 A 20131127; FI 20126250 A 20121128