

Title (en)
AQUEOUS CHROMOPHORE AND/OR EFFECT-PRODUCING COATING MATERIAL, AND USE OF THE SAME

Title (de)
WÄSSRIGER FARB- UND/ODER EFFEKTGEBENDER BESCHICHTUNGSSTOFF UND SEINE VERWENDUNG

Title (fr)
SUBSTANCE DE REVETEMENT AQUEUSE CONFERANT UN ASPECT CHROMATIQUE ET/OU UN EFFET SPECIAL, ET SON UTILISATION

Publication
EP 1570013 A1 20050907 (DE)

Application
EP 03778299 A 20031105

Priority

- DE 10257377 A 20021209
- EP 0312310 W 20031105

Abstract (en)
[origin: WO2004053007A1] The invention relates to a chromophore and/or effect-producing coating material which is free of rheology auxiliary agents based on phyllosilicates and contains (A) a water-soluble, water-dilutable, and/or water-dispersible polyurethane; (B) a chromophore and/or effect-producing pigment; (C) a dispersing auxiliary agent selected from the group consisting of the reaction products of (c1) a functionalised copolymer containing (c11) a monopolymerised, olefinically unsaturated monomer containing isocyanate groups, anhydride groups or epoxy groups, and (c12) a monopolymerised, olefinically unsaturated monomer free of isocyanate-reactive, anhydride-reactive, and epoxy-reactive functional groups, (c 2) at least one homopolymer polyalkylene glycol, and (c 3) at least one compound of general formula I: NR₂-C(O)-NR₂ (I), wherein the variables R are selected from the group consisting of hydrogen atoms or organic radicals, at least one of the radicals R containing at least one reactive functional group selected from the group consisting of isocyanate-reactive, anhydride-reactive and epoxy-reactive groups; and (D) a rheology auxiliary agent based on (meth)acrylate copolymers. The invention also relates to the use of said coating material for producing single-layer and multi-layer chromophore and/or effect-producing lacquers.

IPC 1-7
C09D 175/04; **C08G 18/66**; **C08G 18/67**; **C08G 18/79**; **C08F 290/14**; **C08G 18/08**

IPC 8 full level
C08F 283/00 (2006.01); **C08F 290/14** (2006.01); **C08G 18/08** (2006.01); **C08G 18/66** (2006.01); **C08G 18/67** (2006.01); **C08G 18/79** (2006.01); **C08L 33/02** (2006.01); **C08L 51/08** (2006.01); **C09D 151/08** (2006.01); **C09D 175/04** (2006.01)

CPC (source: EP US)
C08F 283/006 (2013.01 - EP US); **C08F 290/147** (2013.01 - EP US); **C08G 18/0823** (2013.01 - EP US); **C08G 18/664** (2013.01 - EP US); **C08G 18/675** (2013.01 - EP US); **C08G 18/792** (2013.01 - EP US); **C08L 33/02** (2013.01 - EP US); **C08L 51/08** (2013.01 - EP US); **C09D 151/08** (2013.01 - EP US); **C09D 175/04** (2013.01 - EP US)

Citation (search report)
See references of WO 2004053007A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004053007 A1 20040624; AU 2003285313 A1 20040630; CA 2506786 A1 20040624; DE 10257377 A1 20040708; EP 1570013 A1 20050907; MX PA05005555 A 20051018; US 2006014857 A1 20060119; US 7485679 B2 20090203

DOCDB simple family (application)
EP 0312310 W 20031105; AU 2003285313 A 20031105; CA 2506786 A 20031105; DE 10257377 A 20021209; EP 03778299 A 20031105; MX PA05005555 A 20030717; US 53707005 A 20050531