

Title (en)

POWDER SLURRIES WHICH CAN BE HARDENED THERMALLY AND BY MEANS OF ACTINIC RADIATION, A METHOD FOR THE PRODUCTION THEREOF AND THE USE OF THE SAME

Title (de)

THERMISCH UND MIT AKTINISCHER STRAHLUNG HÄRTBARE PUVERSLURRIES, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG

Title (fr)

SUSPENSIONS PULVERULENTES DURCISSABLES THERMIQUEMENT ET PAR RAYONNEMENT ACTINIQUE, PROCEDE DE PRODUCTION ET UTILISATION

Publication

EP 1373347 A1 20040102 (DE)

Application

EP 02727498 A 20020328

Priority

- DE 10115605 A 20010329
- EP 0203511 W 20020328

Abstract (en)

[origin: WO02079290A1] The invention relates to powder slurries which can be hardened thermally and by means of actinic radiation, and which contain solid and/or highly viscous particles which are dimensionally stable under conditions of storage and use. Said particles contain (A) a binding agent which is free of carbon-carbon double bonds which can be activated by means of actinic radiation, said binding agent containing at least one (meth)acrylate copolymer having a statistical mean of at least one isocyanate-reactive functional group and at least one ionic group in the molecule, (B) at least one blocked and/or unblocked polyisocyanate, and (C) at least one olefinically unsaturated constituent which is free of isocyanate-reactive functional groups and has a statistical mean of more than four carbon-carbon double bonds which can be activated by means of actinic radiation in the molecule, and at least one hardening segment in the molecule. The invention also relates to a method for producing said slurries and the use of the same.

IPC 1-7

C08G 18/08; **C08G 18/62**; **C08G 18/80**; **C09D 175/16**

IPC 8 full level

C08G 18/08 (2006.01); **C08G 18/62** (2006.01); **C08G 18/80** (2006.01); **C09D 4/00** (2006.01); **C09D 4/02** (2006.01); **C09D 5/00** (2006.01); **C09D 5/03** (2006.01); **C09D 5/46** (2006.01); **C09D 175/00** (2006.01); **C09D 175/16** (2006.01); **C09J 4/00** (2006.01); **C09J 4/02** (2006.01); **C09J 175/00** (2006.01); **C09J 175/16** (2006.01)

CPC (source: EP US)

C08G 18/0866 (2013.01 - EP US); **C08G 18/6254** (2013.01 - EP US); **C08G 18/807** (2013.01 - EP US); **C09D 175/16** (2013.01 - EP US); **C08G 2150/20** (2013.01 - EP US)

Citation (search report)

See references of WO 02079290A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02079290 A1 20021010; CA 2438580 A1 20021010; DE 10115605 A1 20021024; EP 1373347 A1 20040102; JP 2004524416 A 20040812; JP 4292008 B2 20090708; MX PA03005834 A 20030910; US 2004048977 A1 20040311; US 7297723 B2 20071120

DOCDB simple family (application)

EP 0203511 W 20020328; CA 2438580 A 20020328; DE 10115605 A 20010329; EP 02727498 A 20020328; JP 2002578305 A 20020328; MX PA03005834 A 20020328; US 46888503 A 20030821