

Title (en)

AQUEOUS PRIMARY DISPERSION, SUBSTANTIALLY OR COMPLETELY DEVOID OF VOLATILE ORGANIC SUBSTANCES, METHOD FOR THE PRODUCTION THEREOF AND USE OF THE SAME

Title (de)

VON FLÜCHTIGEN ORGANISCHEN STOFFEN IM WESENTLICHEN ODER VÖLLIG FREIE WÄSSRIGE PRIMÄRDISPERSION, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG

Title (fr)

DISPERSION PRIMAIRE AQUEUSE PRATIQUEMENT OU TOTALEMENT EXEMPTÉ DE MATIÈRES ORGANIQUES VOLATILES, SON PROCÉDE DE PRODUCTION ET SON UTILISATION

Publication

**EP 1368396 A1 20031210 (DE)**

Application

**EP 02701273 A 20020213**

Priority

- DE 10106567 A 20010213
- EP 0201461 W 20020213

Abstract (en)

[origin: DE10106567A1] The invention relates to an aqueous primary dispersion, substantially or completely devoid of volatile organic substances, containing dispersed and/or emulsified solid and/or liquid polymer particles and/or dispersed solid core-shell particles with a particle diameter  $\leq$  500 nm. Said dispersion is obtained by the radical micro- or mini-emulsion polymerisation of at least one olefinically unsaturated monomer, in the presence of at least one hydrophobic additive and at least one oligomeric polyester with a number average molecular weight of between 150 and 1,500 dalton, a hydroxyl value of between 100 and 1,000 mg KOH/g and an acid value  $<$  20 mg KOH/g. The invention also relates to a method for the production of said dispersion and to the use thereof as a coating substance, adhesive and sealant or for producing a coating substance, adhesive or sealant.

IPC 1-7

**C08F 283/02**; **C08F 2/22**; **C09D 151/08**; **C09J 151/08**

IPC 8 full level

**C08F 2/22** (2006.01); **C08F 283/02** (2006.01); **C09D 151/08** (2006.01); **C09J 151/08** (2006.01)

CPC (source: EP US)

**C08F 2/22** (2013.01 - EP US); **C08F 283/02** (2013.01 - EP US); **C09D 151/08** (2013.01 - EP US); **C09J 151/08** (2013.01 - EP US)

Citation (search report)

See references of WO 02064652A1

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)

**DE 10106567 A1 20020822**; EP 1368396 A1 20031210; US 2004048968 A1 20040311; US 7157526 B2 20070102; WO 02064652 A1 20020822

DOCDB simple family (application)

**DE 10106567 A 20010213**; EP 0201461 W 20020213; EP 02701273 A 20020213; US 25058603 A 20030702