

Title (en)  
ACRYLATE-BASED PREPARATION CONTAINING ORGANOSILICIUM UNITS, METHOD FOR PREPARING SAME AND USE THEREOF

Title (de)  
ORGANOSILICIUMEINHEITEN ENTHALTENDE ZUBEREITUNG AUF ACRYLATBASIS, DEREN HERSTELLUNG UND DEREN VERWENDUNG

Title (fr)  
PREPARATION CONTENANT DES UNITES ORGANOSILICIEES, A BASE D'ACRYLATE, SA PREPARATION ET SON UTILISATION

Publication  
**EP 1711563 A2 20061018 (DE)**

Application  
**EP 04804783 A 20041213**

Priority

- EP 2004053419 W 20041213
- DE 102004005824 A 20040206

Abstract (en)  
[origin: WO2005075485A2] The invention concerns an acrylate-based preparation containing organosilicium units. Said preparation contains, additionally to at least one acrylate, (i) at least one aminoalkyl-, alkoxy-, optionally alkyl- and optionally hydroxyfunctional siloxane; (ii) at least one 3-(4,5-dihydro-imidazolyl)propyltrialkoxysilane or a reaction product of 3-(4,5-dihydro-imidazolyl)propyltrialkoxysilane; (iii) optionally one or more organoalkoxysilanes; (iv) optionally at least one reaction product of constituents (i), (ii) and/or (iii) and (v) optionally a reaction product of the acrylate constituent present with at least one constituent from (i), (ii) and (iii). The invention also concerns a method for preparing such a preparation and its use, in particular as solvent-free radiation-curable printing ink.

IPC 8 full level  
**C09D 4/00** (2006.01); **C08G 77/26** (2006.01); **C08G 77/442** (2006.01); **C09D 11/10** (2006.01); **C09D 133/04** (2006.01); **C09D 183/08** (2006.01); **C09D 183/10** (2006.01); **C08L 83/10** (2006.01)

CPC (source: EP)  
**C08G 77/26** (2013.01); **C08G 77/442** (2013.01); **C09D 11/101** (2013.01); **C09D 133/04** (2013.01); **C09D 183/08** (2013.01); **C09D 183/10** (2013.01); **C08L 83/10** (2013.01)

Citation (search report)  
See references of WO 2005075485A2

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

DOCDB simple family (publication)  
**WO 2005075485 A2 20050818; WO 2005075485 A3 20051124**; CN 1926201 A 20070307; DE 102004005824 A1 20050825; EP 1711563 A2 20061018; JP 2007520606 A 20070726; JP 4773373 B2 20110914

DOCDB simple family (application)  
**EP 2004053419 W 20041213**; CN 200480042607 A 20041213; DE 102004005824 A 20040206; EP 04804783 A 20041213; JP 2006551740 A 20041213