

## Title (en)

MULTI-COMPONENT COATINGS, ADHESIVES AND SEALANTS AND THE USE THEREOF

## Title (de)

MEHRKOMPONENTENBESCHICHTUNGSSOFFE, -KLEBSTOFFE UND -DICHTUNGSMASSEN UND IHRE VERWENDUNG

## Title (fr)

SUBSTANCES DE REVETEMENT, SUBSTANCES ADHESIVES ET MASSES D'ETANCHEITE A PLUSIEURS CONSTITUANTS, AINSI QUE LEUR UTILISATION

## Publication

**EP 1278791 A1 20030129 (DE)**

## Application

**EP 01933891 A 20010426**

## Priority

- DE 10021139 A 20000429
- EP 0104700 W 20010426

## Abstract (en)

[origin: WO0183579A1] The invention relates to multi-component coatings, adhesives and sealants, containing a (meth)acrylate copolymer (A), which consists of up to 90 wt.-% in relation to (A) of polymerized monomers containing hydroxyl groups, (a1) 20 to 90 wt.-% of said monomers in relation to (A) representing 4-hydroxybutyl(meth)acrylate and/or 2-alkyl-propane-1,3-diole-mono(meth)acrylate and (a2) 0 to 40 wt.-% in relation to (A) representing other monomers containing hydroxyl groups; and (B) an adduct, which can be produced from (b1) a diisocyanate and (b2) a compound of the general formula (I) comprising a group reactive to isocyanate. In said formula R<1> and R<2> represent hydrogen atoms or alkyl groups, X and Y represent oxygen atoms, sulphur atoms or a group >N-R<6>, where R<6> = an alkyl group or aryl group, R<3> represents an alkylene group and R<4> and R<5> represent hydrogen atoms, groups reactive to isocyanate or R<6> groups; whereby R<4>, R<5> or R<6> contain a group reactive to isocyanate or R<4> or R<5> is a functional group reactive to isocyanate, whereby R<4>, R<5> or R<6> - if present have no groups reactive to isocyanate and the molar ratio of isocyanate groups in (b1) to the groups reactive to isocyanate in the compound of formula (I) is 1.0.

## IPC 1-7

**C08G 18/28**; **C08G 18/62**; **C09D 175/04**

## IPC 8 full level

**C08G 18/28** (2006.01); **C08G 18/62** (2006.01); **C08G 18/80** (2006.01); **C09D 175/04** (2006.01)

## CPC (source: EP US)

**C08G 18/2835** (2013.01 - EP US); **C08G 18/6229** (2013.01 - EP US); **C08G 18/807** (2013.01 - EP US); **C09D 175/04** (2013.01 - EP US); **Y10S 525/934** (2013.01 - EP US)

## Citation (search report)

See references of WO 0183579A1

## 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 0183579 A1 20011108**; AU 6025201 A 20011112; DE 10021139 A1 20011115; DE 10021139 B4 20050630; EP 1278791 A1 20030129; US 2003104132 A1 20030605; US 6756072 B2 20040629

## DOCDB simple family (application)

**EP 0104700 W 20010426**; AU 6025201 A 20010426; DE 10021139 A 20000429; EP 01933891 A 20010426; US 24086102 A 20021004