

Title (en)  
ALDIMINE CLEANING COMPOSITION FOR REACTIVE POLYURETHANE COMPOSITIONS

Title (de)  
ALDIMIN-REINIGUNGSZUSAMMENSETZUNG FÜR REAKTIVE POLYURETHANZUSAMMENSETZUNGEN

Title (fr)  
COMPOSITION DE NETTOYAGE À L'ALDIMINE POUR DES COMPOSITIONS RÉACTIVES DE POLYURÉTHANES

Publication  
**EP 2507279 A2 20121010 (DE)**

Application  
**EP 10782305 A 20101126**

Priority  
• EP 09177687 A 20091202  
• EP 2010068267 W 20101126  
• EP 10782305 A 20101126

Abstract (en)  
[origin: EP2330140A1] Use of aldimine compounds (I) as a cleaning agent or as part of a cleaning agent composition for reactive polyurethane compositions, preferably for reactive polyurethane hot melt adhesives, is claimed. Use of aldimine compounds of formula  $([Y1-C(R2)(R1)-CH=N] n-E-XH)$  (I) as a cleaning agent or as part of a cleaning agent composition for reactive polyurethane compositions, preferably for reactive polyurethane hot melt adhesives, is claimed. Either R1, R2 : monovalent 1-12C-hydrocarbyl; or R1R2 : bivalent 4-12C-hydrocarbyl, which is part of an optionally substituted 5-8C (preferably 6C) carbocyclic ring; Y1 : monovalent 1-32C-hydrocarbyl, which is optionally contains at least one heteroatom, preferably O in the form of ether-, carbonyl- or ester-groups; E : (n+1)-valent 2-12C-hydrocarbyl, which optionally contains at least one heteroatom, preferably in from of ether-oxygen or tert-amine nitrogen; X : O, S or N-R8; R8 : 1-20C-monovalent 1-20C-hydrocarbyl, which optionally contains at least one carboxylic acid ester-, nitrile-, nitro-, phosphonic acid ester-, sulfone- or sulfonic acid ester-group, or  $-E[N=CH-C(R1)(R2)-Y1] n$ ; and n : 1-3. Independent claims are included for: (1) a cleaning agent composition for reactive polyurethane compositions, preferably for reactive polyurethane hot melt adhesives comprising (I), and at least one carrier-A, which contains no isocyanate reactive functional groups; and (2) a method for cleaning a manufacturing- or an application system or device of reactive polyurethane composition comprising adding (I) or the cleaning composition into the reactive polyurethane composition present in the system or device and displacing from the system or device.

IPC 8 full level  
**C08G 18/32** (2006.01); **C07C 251/08** (2006.01); **C09D 9/00** (2006.01); **C11D 1/40** (2006.01); **C11D 3/37** (2006.01); **C11D 7/32** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP KR US)  
**C07C 251/08** (2013.01 - KR); **C08G 18/32** (2013.01 - KR); **C08G 18/3256** (2013.01 - EP US); **C11D 1/40** (2013.01 - KR); **C11D 3/30** (2013.01 - EP KR US); **C11D 3/37** (2013.01 - EP US); **C11D 7/3209** (2013.01 - EP US); **C11D 2111/20** (2024.01 - EP US)

Citation (search report)  
See references of WO 2011067168A2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2330140 A1 20110608**; BR 112012012989 A2 20190924; CN 102648226 A 20120822; EP 2507279 A2 20121010; KR 20120127575 A 20121122; US 2012245069 A1 20120927; US 8673089 B2 20140318; WO 2011067168 A2 20110609; WO 2011067168 A3 20111110

DOCDB simple family (application)  
**EP 09177687 A 20091202**; BR 112012012989 A 20101126; CN 201080054483 A 20101126; EP 10782305 A 20101126; EP 2010068267 W 20101126; KR 20127016019 A 20101126; US 201013513466 A 20101126