

Title (en)  
CLEANING AGENTS

Title (de)  
REINIGUNGSMITTEL

Title (fr)  
DÉTERGENTS

Publication  
**EP 2129761 B1 20160817 (DE)**

Application  
**EP 08735746 A 20080403**

Priority  

- EP 2008053997 W 20080403
- DE 102007016389 A 20070403
- DE 102007023875 A 20070521
- DE 102007038482 A 20070814

Abstract (en)  
[origin: WO2008119834A1] The invention relates to machine dishwashing agents. The aim of the invention is to provide novel agents which help to avoid the formation of water spots and filming after use of said agents and accelerate drying of the crockery. To achieve this aim, specific polycarbonate-, polyurethane- and/or polyurea-polyorganosiloxane compounds or precursor compounds thereof of the reactive cyclic carbonate and urea type, which can be used for the production thereof, are utilized.

IPC 8 full level  
**C11D 3/37** (2006.01); **C11D 3/00** (2006.01); **C11D 3/20** (2006.01); **C11D 3/22** (2006.01); **C11D 3/28** (2006.01); **C11D 3/32** (2006.01); **C11D 3/34** (2006.01); **C11D 3/36** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP KR US)  
**C11D 3/2096** (2013.01 - EP US); **C11D 3/22** (2013.01 - KR); **C11D 3/28** (2013.01 - EP US); **C11D 3/32** (2013.01 - EP US); **C11D 3/34** (2013.01 - KR); **C11D 3/3454** (2013.01 - EP US); **C11D 3/349** (2013.01 - EP US); **C11D 3/364** (2013.01 - EP US); **C11D 3/37** (2013.01 - EP KR US); **C11D 3/373** (2013.01 - EP US); **C11D 3/3742** (2013.01 - EP US); **C11D 3/3788** (2013.01 - EP US); **C11D 2111/14** (2024.01 - EP US)

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

DOCDB simple family (publication)  
**WO 2008119834 A1 20081009**; EP 2129761 A1 20091209; EP 2129761 B1 20160817; EP 2487232 A1 20120815; EP 2487232 B1 20141203; KR 20090128445 A 20091215; US 2010016203 A1 20100121; US 2012006358 A1 20120112; US 8044011 B2 20111025; US 8318649 B2 20121127

DOCDB simple family (application)  
**EP 2008053997 W 20080403**; EP 08735746 A 20080403; EP 12166941 A 20080403; KR 20097020621 A 20080403; US 201113237020 A 20110920; US 56709009 A 20090925