

Title (en)  
DISHWASHER DETERGENT WITH IMPROVED PROTECTION AGAINST GLASS CORROSION N

Title (de)  
MASCHINELLES GESCHIRRSPÜLMITTEL MIT VERBESSERTEM GLASKORROSIONSSCHUTZ

Title (fr)  
PRODUITS DE LAVAGE POUR LAVE-VAISSELLE GARANTISSANT UNE PROTECTION AMELIOREE CONTRE LA CORROSION DU VERRE

Publication  
**EP 1417291 A2 20040512 (DE)**

Application  
**EP 02767346 A 20020808**

Priority

- DE 10140535 A 20010817
- DE 10153555 A 20011030
- DE 10162145 A 20011218
- EP 0208864 W 20020808

Abstract (en)  
[origin: WO03016444A2] A dishwasher detergent containing one or several builders and optionally other components of detergents and cleaning agents, also containing zinc salts and/or magnesium salts of organic acids, characterized by significantly improved glass corrosion properties.

IPC 1-7  
**C11D 3/20**; **C11D 3/33**; **C11D 3/37**; **C11D 7/26**; **C11D 7/32**

IPC 8 full level  
**C11D 3/20** (2006.01); **C11D 3/33** (2006.01); **C11D 3/37** (2006.01); **C11D 7/26** (2006.01); **C11D 7/32** (2006.01)

CPC (source: EP US)  
**C11D 3/0073** (2013.01 - EP US); **C11D 3/2075** (2013.01 - EP US); **C11D 3/2086** (2013.01 - EP US); **C11D 3/33** (2013.01 - EP US); **C11D 3/3757** (2013.01 - EP US); **C11D 7/265** (2013.01 - EP US); **C11D 7/3245** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**WO 03016444 A2 20030227**; **WO 03016444 A3 20031106**; AT E463555 T1 20100415; AU 2002331215 A1 20030303; DE 50214339 D1 20100520; EP 1417291 A2 20040512; EP 1417291 B1 20100407; HU P0401286 A2 20041228; HU P0401286 A3 20090629; PL 202632 B1 20090731; PL 367794 A1 20050307; US 2005075258 A1 20050407; US 7153816 B2 20061226

DOCDB simple family (application)  
**EP 0208864 W 20020808**; AT 02767346 T 20020808; AU 2002331215 A 20020808; DE 50214339 T 20020808; EP 02767346 A 20020808; HU P0401286 A 20020808; PL 36779402 A 20020808; US 78010204 A 20040217