

Title (en)  
FORMULATIONS, THEIR USE AS OR FOR THE MANUFACTURE OF DISHWASHING COMPOSITIONS, AND MANUFACTURE

Title (de)  
FORMULIERUNGEN, IHRE VERWENDUNG ALS ODER ZUR HERSTELLUNG VON GESCHIRRSPÜLMITTELN UND IHRE HERSTELLUNG

Title (fr)  
FORMULES, LEUR UTILISATION COMME OU POUR FABRIQUER DES PRODUITS LAVE-VAISSELLE AINSI QUE LEUR FABRICATION

Publication  
**EP 2768936 A1 20140827 (DE)**

Application  
**EP 12770153 A 20121012**

Priority

- EP 11185838 A 20111019
- EP 2012070229 W 20121012
- EP 12770153 A 20121012

Abstract (en)  
[origin: US2013102514A1] Formulations comprising (A) at least one compound selected from aminocarboxylates and polyaminocarboxylates, and salts and derivatives thereof, (B) at least one salt of bismuth, and (C) at least one homopolymer or copolymer of ethyleneimine.

IPC 8 full level  
**C11D 3/00** (2006.01); **C11D 3/04** (2006.01); **C11D 3/12** (2006.01); **C11D 3/20** (2006.01); **C11D 3/33** (2006.01); **C11D 3/34** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP RU US)  
**C11D 3/0073** (2013.01 - EP US); **C11D 3/046** (2013.01 - EP US); **C11D 3/1213** (2013.01 - EP US); **C11D 3/2075** (2013.01 - EP US); **C11D 3/2096** (2013.01 - EP US); **C11D 3/33** (2013.01 - EP US); **C11D 3/3409** (2013.01 - EP US); **C11D 3/3723** (2013.01 - EP US); **C11D 3/04** (2013.01 - RU); **C11D 3/12** (2013.01 - RU); **C11D 3/20** (2013.01 - RU); **C11D 3/33** (2013.01 - RU); **C11D 3/37** (2013.01 - RU)

Citation (search report)  
See references of WO 2013057041A1

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)  
**US 2013102514 A1 20130425; US 8535450 B2 20130917**; BR 112014009190 A2 20170613; BR 112014009190 A8 20170620; CA 2849359 A1 20130425; CN 103890158 A 20140625; CN 103890158 B 20180626; EP 2768936 A1 20140827; EP 2768936 B1 20170301; ES 2626819 T3 20170726; IN 3470CHN2014 A 20150703; JP 2014534308 A 20141218; JP 2017222862 A 20171221; KR 20140088568 A 20140710; MX 2014004579 A 20140623; PL 2768936 T3 20170831; RU 2014119759 A 20151127; RU 2623443 C2 20170626; WO 2013057041 A1 20130425

DOCDB simple family (application)  
**US 201213654807 A 20121018**; BR 112014009190 A 20121012; CA 2849359 A 20121012; CN 201280051248 A 20121012; EP 12770153 A 20121012; EP 2012070229 W 20121012; ES 12770153 T 20121012; IN 3470CHN2014 A 20140507; JP 2014536194 A 20121012; JP 2017122989 A 20170623; KR 20147013218 A 20121012; MX 2014004579 A 20121012; PL 12770153 T 20121012; RU 2014119759 A 20121012