

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 B1 20170301 (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 (opposition)

Opponent : Reckitt Benckiser Finish B. V.

- WO 9839404 A1 19980911 - PROCTER & GAMBLE [US], et al
- WO 2010116139 A1 20101014 - RECKITT BENCKISER NV [NL], et al
- WO 2009024780 A1 20090226 - RECKITT BENCKISER NV [NL], et al
- WO 2010020765 A1 20100225 - RECKITT BENCKISER NV [NL], et al
- EP 1721962 A1 20061115 - UNILEVER NV [NL], et al
- US 5981456 A 19991109 - TARTAKOVSKY ALLA [US], et al
- GB 1586067 A 19810318 - PROCTER & GAMBLE
- ANONYMOUS: "Trilon® M Flüssig", BASF - TECHNISCHE INFORMATION, April 1998 (1998-04-01), pages 1 - 20, XP055532154

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