

Title (en)
FORMULATIONS, THEIR USE AS OR FOR THE MANUFACTURE OF DISHWASHING AGENTS AND THEIR 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 2768937 B1 20160113 (DE)

Application
EP 12769436 A 20121008

Priority

- EP 11185824 A 20111019
- EP 2012069816 W 20121008
- EP 12769436 A 20121008

Abstract (en)
[origin: US2013102515A1] Formulations comprising (A) at least one compound selected from aminocarboxylates and polyaminocarboxylates, and salts and derivatives thereof, (B) at least one zinc salt, and (C) at least one homopolymer or copolymer of ethyleneimine.

IPC 8 full level
C11D 3/12 (2006.01); **C11D 3/00** (2006.01); **C11D 3/04** (2006.01); **C11D 3/20** (2006.01); **C11D 3/33** (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 3/12** (2013.01 - RU); **C11D 3/1213** (2013.01 - EP US); **C11D 3/2075** (2013.01 - EP US); **C11D 3/33** (2013.01 - EP RU US); **C11D 3/37** (2013.01 - RU); **C11D 3/3723** (2013.01 - EP US); **C11D 3/3953** (2013.01 - RU)

Citation (opposition)
Opponent : *anonymous*

- WO 2010020765 A1 20100225 - RECKITT BENCKISER NV [NL], et al
- EP 1721962 A1 20061115 - UNILEVER NV [NL], et al

Cited by
WO2023117494A1

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 2013102515 A1 20130425; US 8574374 B2 20131105; BR 112014006030 A2 20170404; CA 2844293 A1 20130425; CN 103874756 A 20140618; CN 103874756 B 20170405; EP 2768937 A1 20140827; EP 2768937 B1 20160113; ES 2564231 T3 20160321; IN 3506CHN2014 A 20151009; JP 2014530930 A 20141120; JP 5941153 B2 20160629; KR 101884618 B1 20180802; KR 20140088566 A 20140710; MX 2014002014 A 20140327; PL 2768937 T3 20160729; RU 2014119760 A 20151127; RU 2607085 C2 20170110; WO 2013056996 A1 20130425

DOCDB simple family (application)
US 201213654814 A 20121018; BR 112014006030 A 20121008; CA 2844293 A 20121008; CN 201280050958 A 20121008; EP 12769436 A 20121008; EP 2012069816 W 20121008; ES 12769436 T 20121008; IN 3506CHN2014 A 20140508; JP 2014536182 A 20121008; KR 20147013125 A 20121008; MX 2014002014 A 20121008; PL 12769436 T 20121008; RU 2014119760 A 20121008