Title (en)
FORMULATIONS, USE OF SAME AS OR FOR MANUFACTURE OF DISH-WASHING AGENTS AND THEIR MANUFACTURE

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

Title (fr)
FORMULES, LEUR UTILISATION COMME DÉTERGENT POUR LAVE-VAISSELLE OU DESTINÉES À SA FABRICATION, AINSI QUE LEUR FABRICATION

Publication
EP 2989192 B1 20180808 (DE)

Application
EP 13774145 A 20131007

Priority
• EP 2013058391 W 20130423
• EP 2013070857 W 20131007

Abstract (en)
[origin: WO2014173473A1] Formulations comprising (A) at least one aminocarboxylate selected from methylglycine diacetate (MGDA), iminodisuccinic acid (IDS) and glutamic acid diacetate (GLDA) and the salts and derivatives thereof, and (B) at least one alkoxylated alkyleneimine polymer having a mean molecular weight Mw in the range from 500 to less than 800 g/mol, which has a positive charge density of at least 5 meq/g and which has in the range from 2% to a maximum of 80% by weight of alkylene oxide side chains, based on overall alkoxylated alkyleneimine polymer.

IPC 8 full level
C11D 3/33 (2006.01); **C11D 3/00** (2006.01); **C11D 3/37** (2006.01); **C11D 11/00** (2006.01); **C11D 11/02** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP US)
C11D 3/0073 (2013.01 - EP US); **C11D 3/33** (2013.01 - EP US); **C11D 3/3707** (2013.01 - EP US); **C11D 3/3723** (2013.01 - EP US); **C11D 3/3788** (2013.01 - EP US); **C11D 11/0088** (2013.01 - EP US); **C11D 11/02** (2013.01 - EP US); C11D 2111/18 (2024.01 - EP US)

Cited by
GB202117816D0; WO2023105006A1

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)
WO 2014173473 A1 20141030; CN 105143424 A 20151209; CN 105143424 B 20181023; CN 105143424 B9 20190129; EP 2989192 A1 20160302; EP 2989192 B1 20180808; JP 2016526056 A 20160901; JP 6235120 B2 20171122; KR 20160003006 A 20160108; PL 2989192 T3 20190131; RU 2015149916 A 20170526; US 2016075972 A1 20160317

DOCDB simple family (application)
EP 2013070857 W 20131007; CN 201380075863 A 20131007; EP 13774145 A 20131007; JP 2016509313 A 20131007; KR 20157033213 A 20131007; PL 13774145 T 20131007; RU 2015149916 A 20131007; US 201314786327 A 20131007