

Title (en)

LIQUID LAUNDRY DETERGENT WITH POLYANIONIC AMMONIUM SURFACTANT

Title (de)

FLÜSSIGWASCHMITTEL MIT TENSID DES TYPUS POLYANIONISCHES AMMONIUM

Title (fr)

DETERGENT A LESSIVE LIQUIDE PRESENTANT UN TENSIO-ACTIF D'AMMONIUM POLYANIONIQUE

Publication

**EP 1664254 A1 20060607 (EN)**

Application

**EP 04764254 A 20040818**

Priority

- EP 2004009268 W 20040818
- US 66437403 A 20030917
- US 66431003 A 20030917

Abstract (en)

[origin: WO2005026302A1] A liquid laundry detergent composition comprising: (a) from about 0.1% to about 80%, by weight of the composition, of a polyanionic ammonium surfactant; (b) a liquid carrier; (c) wherein the composition is substantially free of bases having pKa equal to or greater than 10, other than nitrogen-based bases. Also included are processes of making the inventive compositions.

IPC 1-7

**C11D 1/02**; C11D 1/24; C11D 1/04; C11D 3/30

IPC 8 full level

**C11D 1/02** (2006.01); **C11D 1/04** (2006.01); **C11D 1/62** (2006.01); **C11D 1/65** (2006.01); **C11D 3/30** (2006.01); **C11D 3/37** (2006.01); **C11D 11/00** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01)

CPC (source: EP)

**C11D 1/02** (2013.01); **C11D 1/04** (2013.01); **C11D 1/62** (2013.01); **C11D 1/65** (2013.01); **C11D 3/30** (2013.01); **C11D 3/3723** (2013.01); **C11D 11/0094** (2013.01); **C11D 1/146** (2013.01); **C11D 1/22** (2013.01); **C11D 1/29** (2013.01)

Citation (search report)

See references of WO 2005026302A1

Citation (third parties)

Third party :

- JP H093483 A 19970107 - KAO CORP
- WO 9906519 A1 19990211 - PROCTER & GAMBLE [US], et al
- ZAKLADY CHEMIZNE ROKITA SPOLKA AKCYJNA: "Datenblatt zu ABS Na (ex Rokita)", DATENBLATT, 20 May 2003 (2003-05-20), pages 1, XP003017429
- CONDEA CHEMIE GMBH: "Produktinformation - MARLON A 375", DATENBLATT, 1 January 1998 (1998-01-01), pages 2 PG-S, XP003017430
- COATINGS AND INKS: "Datenblatt zu Maranil A 55 paste", DATENBLATT, 18 May 2001 (2001-05-18), pages 1 - 2, XP003017431

Cited by

US9850452B2; US9550965B2; US9388368B2; US9752101B2; US9493725B2; US9771547B2; US9617502B2; US9487739B2; US9493726B2; US10174274B2; US9719052B2; US11268047B2; US11274267B2; US9193939B2; US9540592B2; US10577564B2; US9631163B2; US10676696B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005026302 A1 20050324**; AT E381606 T1 20080115; DE 602004004289 D1 20070222; DE 602004004289 T2 20070419; EP 1664254 A1 20060607; EP 1664254 B1 20071219; EP 1664254 B9 20080305; ES 2280993 T3 20070916

DOCDB simple family (application)

**EP 2004009268 W 20040818**; AT 04764254 T 20040818; DE 602004004289 T 20040818; EP 04764254 A 20040818; ES 04764254 T 20040818