

Title (en)

LIQUID LAUNDRY DETERGENTS CONTAINING SELECTED ALKYL AMIDOALKOYL QUATERNARY AMMONIUM COMPOUNDS

Title (de)

QUARTÄRE ALKYLAMIDOALKOYLAMMONIUMVERBINDUNGEN ENTHALTENDE FLÜSSIGE WASCHMITTEL

Title (fr)

DETERGENTS LIQUIDES POUR LESSIVE, CONTENANT DES COMPOSES D'AMMONIUM QUATERNAIRE AMIDOALCOYLE ALKYLE SELECTIONNES

Publication

EP 0876453 A1 19981111 (EN)

Application

EP 96936038 A 19960927

Priority

- US 9615578 W 19960927
- US 454695 P 19950929

Abstract (en)

[origin: WO9712020A1] This invention relates to a liquid laundry detergent composition comprising a Nil-LAS surfactant system said surfactant system comprising: i) anionic surfactants selected from the group of alkyl alkoxy sulfates and alkyl sulfates, and ii) a quaternary ammonium surfactant having formula (I), whereby R1 is a C6-C18 alkyl; y is from 1 to 6; R2, R3 and R4 are either the same or different and can be H, a C1-C8 alkyl, C1-C8 alkoxy, aryl, alkaryl or alkoxyaryl; X is a counterion.

IPC 1-7

C11D 1/65; **C11D 1/86**

IPC 8 full level

C11D 1/65 (2006.01); **C11D 1/86** (2006.01); **C11D 17/00** (2006.01); **C11D 1/14** (2006.01); **C11D 1/29** (2006.01); **C11D 1/52** (2006.01); **C11D 1/62** (2006.01); **C11D 1/72** (2006.01); **C11D 1/75** (2006.01)

CPC (source: EP)

C11D 1/65 (2013.01); **C11D 1/86** (2013.01); **C11D 1/146** (2013.01); **C11D 1/29** (2013.01); **C11D 1/525** (2013.01); **C11D 1/62** (2013.01); **C11D 1/72** (2013.01); **C11D 1/75** (2013.01)

Citation (search report)

See references of WO 9712020A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9712020 A1 19970403; BR 9610672 A 19990706; CA 2233332 A1 19970403; CA 2233332 C 20020101; EP 0876453 A1 19981111; JP H11512769 A 19991102

DOCDB simple family (application)

US 9615578 W 19960927; BR 9610672 A 19960927; CA 2233332 A 19960927; EP 96936038 A 19960927; JP 51371297 A 19960927