

Title (en)

LIQUID DETERGENT COMPRISING A DYE FIXING AGENT

Title (de)

FLÜSSIGWASCHMITTEL ENTHALTEND FARBFIXIERMITTEL

Title (fr)

DETERGENTS LIQUIDES CONTENANT UN AGENT DE FIXATION DES COULEURS

Publication

**EP 1805289 B1 20090805 (DE)**

Application

**EP 05798081 A 20051018**

Priority

- EP 2005011181 W 20051018
- DE 102004051715 A 20041023

Abstract (en)

[origin: DE102004051715A1] New liquid detergent or cleansing compositions (I) comprise: (a) one or more of alkylbenzenesulfonates, olefin sulfonates and/or alkyl sulfates; (b) soap; (c) nonionic surfactant; and (d) a dye-fixing agent selected from homo- or copolymers of diallyl dimethylammonium chloride, and reaction products of (i) cyanamides with aldehydes and ammonium salts, (ii) cyanamides with aldehydes and monoamines, (iii) monoamines and/or polyamines with epichlorohydrin or (iv) polyamines with cyanamides and amidosulfuric acid.

IPC 8 full level

**C11D 1/83** (2006.01); **C11D 1/831** (2006.01); **C11D 3/00** (2006.01); **C11D 3/37** (2006.01); **C11D 10/04** (2006.01); **C11D 1/04** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP US)

**C11D 1/83** (2013.01 - EP US); **C11D 1/831** (2013.01 - EP US); **C11D 3/001** (2013.01 - EP US); **C11D 3/0021** (2013.01 - EP US); **C11D 3/3719** (2013.01 - EP US); **C11D 3/3723** (2013.01 - EP US); **C11D 3/3773** (2013.01 - EP US); **C11D 10/04** (2013.01 - EP US); **C11D 1/04** (2013.01 - EP US); **C11D 1/143** (2013.01 - EP US); **C11D 1/146** (2013.01 - EP US); **C11D 1/22** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US)

Citation (examination)

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Designated contracting state (EPC)

BE CH DE ES FR GB IT LI

DOCDB simple family (publication)

**DE 102004051715 A1 20050630**; DE 502005007862 D1 20090917; EP 1805289 A1 20070711; EP 1805289 B1 20090805; ES 2330126 T3 20091204; US 2008318830 A1 20081225; US 7585831 B2 20090908; WO 2006045482 A1 20060504

DOCDB simple family (application)

**DE 102004051715 A 20041023**; DE 502005007862 T 20051018; EP 05798081 A 20051018; EP 2005011181 W 20051018; ES 05798081 T 20051018; US 66603905 A 20051018