

Title (en)
IMPROVEMENTS RELATING TO FABRIC CLEANING

Title (de)
VERBESSERUNGEN IM ZUSAMMENHANG MIT STOFFFREINIGUNG

Title (fr)
PERFECTIONNEMENTS RELATIFS AU NETTOYAGE DE TISSUS

Publication
EP 2300586 B1 20150408 (EN)

Application
EP 09765764 A 20090608

Priority

- EP 2009057019 W 20090608
- GB 0810881 A 20080616
- EP 08171961 A 20081217
- EP 09765764 A 20090608

Abstract (en)
[origin: WO2009153184A1] The invention provides a method of laundering fabric which uses a pourable liquid detergent composition comprising 10-40% wt of surfactant, essentially consisting of nonionic and/or anionic surfactant (typically less than 90%wt LAS and at least 10%wt of nonionic surfactant) in which 10-40% wt of surfactant preferably passes the Calcium Tolerance Test described in the patent. The composition comprises no more than 15% wt of soap, (present as a minority in wt% terms of the total surfactant). In the method, the composition is diluted by a factor of greater than 500 to obtain a wash liquor which comprises 0.8-0.05 g/l of surfactant, and, the wash liquor is contacted with fabrics. The composition may further comprise one or more of and preferably combinations of lipase, polyethyleneimine, a blue violet dye, preferably with an optical adsorption peak in the range 540-600nm, a fluorescer, a dye transfer inhibition polymer, a polycarboxylate anti-redeposition agent, a soil release polymer and a perfume (preferably encapsulated).

IPC 8 full level
C11D 3/37 (2006.01); **C11D 3/386** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP)
C11D 3/3723 (2013.01); **C11D 3/38627** (2013.01); **C11D 3/38681** (2013.01); **C11D 2111/12** (2024.01)

Citation (opposition)
Opponent : The Procter & Gamble Company
WO 2006113315 A2 20061026 - PROCTER & GAMBLE [US], et al
Opponent : The Procter and Gamble Company

- WO 9742291 A1 19971113 - PROCTER & GAMBLE [US], et al
- WO 2006113314 A1 20061026 - PROCTER & GAMBLE [US], et al
- WO 9742294 A1 19971113 - PROCTER & GAMBLE [US], et al
- WO 9742289 A1 19971113 - PROCTER & GAMBLE [US], et al
- WO 0196517 A1 20011220 - ARCO CHEM TECH [US]
- WO 2006004876 A1 20060112 - PROCTER & GAMBLE [US], et al
- WO 2004113484 A1 20041229 - PROCTER & GAMBLE [US], et al
- WO 2006002755 A1 20060112 - UNILEVER PLC [GB], et al
- FOCUS™ AND STEPANG® PRODUCTS INTRODUCTION, 17 August 2007 (2007-08-17)
- LOUIS HO TAN TAI: "A Complete Guide to Product Development", FORMULATING DETERGENTS AND PERSONAL CARE PRODUCTS, Lambersart, France, XP055275799
- ANONYMOUS: "Formulation detergent (WXq-15-10056)", TEST REPORT , pages 1 - 9
- TEST METHOD INVOLVED IN TEST REPORT

Cited by
EP3814469B1

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
WO 2009153184 A1 20091223; AU 2009259498 A1 20091223; AU 2009259498 B2 20130221; CA 2728378 A1 20091223; EP 2300586 A1 20110330; EP 2300586 B1 20150408; PL 2300586 T3 20150831

DOCDB simple family (application)
EP 2009057019 W 20090608; AU 2009259498 A 20090608; CA 2728378 A 20090608; EP 09765764 A 20090608; PL 09765764 T 20090608