

Title (en)
ISOTROPIC AQUEOUS LIQUID LAUNDRY DETERGENT COMPRISING SEQUESTERANT

Title (de)
ISOTROPES WÄSSRIGES FLÜSSIGWASCHMITTEL MIT KOMPLEXBILDNER

Title (fr)
DÉTERGENT LIQUIDE AQUEUX ISOTROPIQUE POUR LA LESSIVE COMPRENANT UN SÉQUESTERANT

Publication
EP 2794833 B1 20160203 (EN)

Application
EP 12787453 A 20121119

Priority
• EP 11194458 A 20111220
• EP 2012072971 W 20121119
• EP 12787453 A 20121119

Abstract (en)
[origin: WO2013092049A1] An isotropic liquid laundry detergent comprising: a) at least 10 wt% of a surfactant system, the surfactant system comprising: a(i) at least 5 wt% ethoxylated alcohol nonionic surfactant, a(ii) optionally, amine oxide amphoteric surfactant, a(iii) at least 5 wt% linear alkyl benzene sulphonate formed from neutralisation of LAS acid by an amine that buffers at the pH of the composition and a second non-buffering amine that does not buffer because its pKa is at least 2 units higher than the in-bottle pH of the composition, a(iv) soap formed from the neutralisation of fatty acid by the first and second amine, and a(v) optionally, Alkyl ether sulphate; b) at least 1.5 wt% HEDP, c) at least 5 wt% of a polymer system comprising nonionic EPEI and nonionic PET POET polyester soil release polymer, and d) at least 2 enzymes. the in-bottle pH of the composition being in the range 6.0 to less than 7, preferably 6.3 to 6.7.

IPC 8 full level
C11D 1/83 (2006.01); **C11D 3/30** (2006.01); **C11D 3/36** (2006.01); **C11D 3/37** (2006.01); **C11D 3/386** (2006.01); **C11D 10/04** (2006.01)

CPC (source: EP)
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Citation (opposition)
Opponent : Henkel AG & Co. KGaA
• WO 2009153184 A1 20091223 - UNILEVER PLC [GB], et al
• WO 2011031702 A1 20110317 - PROCTER & GAMBLE [US], et al
• WO 2011031940 A1 20110317 - PROCTER & GAMBLE [US], et al
• WO 2011032138 A2 20110317 - PROCTER & GAMBLE [US], et al

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DOCDB simple family (publication)
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DOCDB simple family (application)
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