

Title (en)

AN AQUEOUS ALKALINE HAND DISHWASH LIQUID DETERGENT FORMULATION

Title (de)

WÄSSRIGE ALKALISCHE FLÜSSIGE HANDGESCHIRRSPÜLMITTELFORMULIERUNG

Title (fr)

FORMULATION ALCALINE AQUEUSE DE DÉTERGENT LIQUIDE DE LAVE-VAISSELLE À MAIN

Publication

**EP 3143111 B1 20190605 (EN)**

Application

**EP 15717911 A 20150424**

Priority

- EP 14168231 A 20140514
- EP 2015058969 W 20150424

Abstract (en)

[origin: WO2015172993A2] An aqueous alkaline hand dishwash liquid detergent formulation comprising: i) 9 to 20 wt% of a surfactant system; wherein 2 to 5 wt% of the surfactant system comprises a linear alkyl benzene sulfonate; and 7 to 17 wt% of the surfactant system comprise an alkyl ether sulfate; and wherein less than 1 wt% of the surfactant system comprises non-ionic surfactant; and wherein the weight ratio of linear alkyl benzene sulfonate (as LAS acid) to alkyl ether sulfate is lower than or equal to 1 : 2.2; and ii) wherein the pH of the formulation is in the range 9.1 to 11; iii) wherein the formulation further comprises a pH adjustment, buffering and thickening system which comprises at least 5 wt% of the total formulation, wherein the system comprises one or more components selected from the group consisting of sodium carbonate, sodium hydrogen carbonate, potassium carbonate and potassium hydrogen carbonate; and iv) wherein the formulation has a viscosity in the range of from 1.5 to 6.0 Pa.s when measured at a shear rate of 21 s<sup>-1</sup> at 25 °C.

IPC 8 full level

**C11D 1/37** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 3/10** (2006.01); **C11D 17/00** (2006.01)

CPC (source: CN EP)

**C11D 1/37** (2013.01 - CN EP); **C11D 3/10** (2013.01 - CN EP); **C11D 17/003** (2013.01 - CN EP); **C11D 1/22** (2013.01 - CN EP); **C11D 1/29** (2013.01 - CN EP)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2015172993 A2 20151119**; **WO 2015172993 A3 20160107**; AR 100381 A1 20160928; CL 2016002855 A1 20170224; CN 106459834 A 20170222; CN 106459834 B 20190322; EA 031574 B1 20190131; EA 201692295 A1 20170630; EP 3143111 A2 20170322; EP 3143111 B1 20190605; MY 181451 A 20201222; ZA 201607156 B 20180530

DOCDB simple family (application)

**EP 2015058969 W 20150424**; AR P150101445 A 20150512; CL 2016002855 A 20161110; CN 201580025065 A 20150424; EA 201692295 A 20150424; EP 15717911 A 20150424; MY PI2016704125 A 20150424; ZA 201607156 A 20161017