

Title (en)
LIQUID LAUNDRY DETERGENT COMPOSITION

Title (de)
FLÜSSIGE WASCHMITTELZUSAMMENSETZUNG

Title (fr)
COMPOSITION DÉTERGENTE LIQUIDE POUR LE LAVAGE

Publication
EP 3401384 A1 20181114 (EN)

Application
EP 17170422 A 20170510

Priority
EP 17170422 A 20170510

Abstract (en)
The invention relates to a liquid laundry detergent composition comprising: (i) from 50 to 80 wt.% of a linear alkyl benzene sulfonic acid surfactant; (ii) from 15 to 45 wt.% of an alkyl ether carboxylic acid surfactant of the following structure: R 1 -(OCH 2 CH 2) n -OCH 2 -COOH, wherein: R 1 is selected from saturated C 16 to C 22 linear or branched alkyl chains, and wherein n is selected from 10 to 24; (iii) less than 10 wt.% water; and (iv) from 0 to 20 wt.% non-ionic surfactant of the following structure: R 2 -(OCH 2 CH 2) n -OH, wherein: R 2 is selected from saturated C 12 to C 22 linear or branched alkyl chains, and wherein n is selected from 5 to 30; and wherein the pH of the formulation is from 0.3 to 2.0.

IPC 8 full level
C11D 1/37 (2006.01); **C11D 1/83** (2006.01); **C11D 1/06** (2006.01); **C11D 1/22** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)
C11D 1/37 (2013.01); **C11D 1/83** (2013.01); **C11D 1/06** (2013.01); **C11D 1/22** (2013.01); **C11D 1/72** (2013.01)

Citation (applicant)
• WO 2013087286 A1 20130620 - UNILEVER PLC [GB], et al
• WO 2014060235 A2 20140424 - UNILEVER PLC [GB], et al
• DE 3135946 A1 19830324 - BAYER AG [DE]
• DE 2816127 A1 19781123 - KAO CORP
• EP 0304763 A1 19890301 - HENKEL KGAA [DE]

Citation (search report)
• [Y] US 2015252294 A1 20150910 - WEERASOORIYA UPALI P [US], et al
• [Y] EP 0328177 A2 19890816 - UNILEVER NV [NL], et al
• [A] DE 102013218614 A1 20150319 - HENKEL AG & CO KGAA [DE]
• [A] WO 2016198263 A1 20161215 - UNILEVER PLC [GB], et al

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3401384 A1 20181114; AR 111856 A1 20190828; BR 112019023389 A2 20200616; CN 110520514 A 20191129; CN 110520514 B 20210507; EP 3622046 A1 20200318; EP 3622046 B1 20220727; WO 2018206196 A1 20181115; ZA 201906404 B 20210127

DOCDB simple family (application)
EP 17170422 A 20170510; AR P180101210 A 20180509; BR 112019023389 A 20180403; CN 201880025777 A 20180403; EP 18715655 A 20180403; EP 2018058430 W 20180403; ZA 201906404 A 20190927