

Title (en)  
LIQUID LAUNDRY DETERGENT COMPOSITION

Title (de)  
FLÜSSIGE WASCHMITTELZUSAMMENSETZUNG

Title (fr)  
COMPOSITION DÉTERGENTE LIQUIDE POUR LE LAVAGE

Publication  
**EP 3622046 B1 20220727 (EN)**

Application  
**EP 18715655 A 20180403**

Priority  
• EP 17170422 A 20170510  
• EP 2018058430 W 20180403

Abstract (en)  
[origin: EP3401384A1] 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 1/06** (2006.01); **C11D 1/22** (2006.01); **C11D 1/72** (2006.01); **C11D 1/83** (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)

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)  
**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