

Title (en)
SUSTAINABLE CLEANING AGENTS AND DETERGENTS

Title (de)
NACHHALTIGE WASCH- UND REINIGUNGSMITTEL

Title (fr)
DÉTERSIFS ET NETTOYANTS DURABLES

Publication
EP 4183858 A1 20230524 (DE)

Application
EP 22202832 A 20111212

Priority
• CH 18072011 A 20111113
• EP 11405367 A 20111212

Abstract (en)
[origin: EP2592134A2] Washing- and cleaning agents comprise at least one surfactant comprising (a) fatty acids and their alkali or ammonium salts (I) or (II), (b) fatty acid ester (III), (c) fatty alcohols (IV), (d) ethers of fatty alcohols (V), (e) fatty acid amides (VI), (f) fatty acid-imines (VII), and/or (g) primary, secondary, tertiary or quaternary fatty amines or fatty ammonium salts (VIII), (IX), (X) or (XI). Washing- and cleaning agents comprise at least one surfactant comprising (a) fatty acids and their alkali or ammonium salts having formula (R(O)OH) (I) or (R(O)OM) (II), (b) fatty acid ester having formula (R(O)OR') (III), (c) fatty alcohols having formula (ROH) (IV), (d) ethers of fatty alcohols having formula (ROR') (V), (e) fatty acid amides having formula (R(O)NR') (VI), (f) fatty acid-imines of formula (R(NR')NR''R''') (VII), and/or (g) primary, secondary, tertiary or quaternary fatty amines or fatty ammonium salts of formula (RNH₂) (VIII), (RNHR') (IX), (RNR'R'') (X) or ((R)(R')(R'')(R'''))N⁺X⁻ (XI). M : alkali metal cation or ammonium; R', R'' : organic or inorganic hydrophilic residues; X : anion; and R : lipophilic part of the surfactant made from 8-24C alkyl (optionally saturated and having greater than 60 wt.%, preferably 80-100 wt.% >= 18C alkyl chains).

Abstract (de)
Die Erfindung beschreibt nachhaltige Tensidmischungen zur Anwendung als Wasch- und Reinigungsmittel für harte Oberflächen und/oder Textilien und Fasern, welche Tenside enthalten, die sich durch einen aussergewöhnlich hohen Anteil an langkettigen (>C18) Alkylresten von über 60 Gew.-% und einem Anteil an ungesättigten Alkylresten von über 50% auszeichnen, jeweils bezogen auf den Gesamtgehalt an Alkylketten der im Mittel enthaltenen Tenside.

IPC 8 full level
C11D 1/12 (2006.01); **C11D 1/32** (2006.01); **C11D 1/36** (2006.01); **C11D 1/52** (2006.01); **C11D 1/66** (2006.01); **C11D 1/72** (2006.01); **C11D 1/74** (2006.01); **C11D 1/75** (2006.01); **C11D 1/90** (2006.01); **C11D 1/92** (2006.01); **C11D 3/20** (2006.01); **C11D 3/30** (2006.01); **C11D 3/32** (2006.01); **C11D 9/00** (2006.01)

CPC (source: EP)
C11D 1/123 (2013.01); **C11D 1/32** (2013.01); **C11D 1/36** (2013.01); **C11D 1/40** (2013.01); **C11D 1/52** (2013.01); **C11D 1/66** (2013.01); **C11D 1/667** (2013.01); **C11D 1/72** (2013.01); **C11D 1/74** (2013.01); **C11D 1/75** (2013.01); **C11D 1/90** (2013.01); **C11D 1/92** (2013.01); **C11D 3/2003** (2013.01); **C11D 3/2068** (2013.01); **C11D 3/2093** (2013.01); **C11D 3/30** (2013.01); **C11D 3/32** (2013.01); **C11D 9/007** (2013.01)

Citation (applicant)
"International Cosmetic Ingredient Dictionary and Handbook", 2010, THE PERSONAL CARE PRODUCTS COUNCIL

Citation (search report)
• [X] US H1635 H 19970304 - VANDER MEER JAMES M [US]
• [X] WO 2007051337 A1 20070510 - SWISSTECH HOLDING AG [CH], et al
• [X] GB 2319256 A 19980520 - RECKITT & COLMANN PROD LTD [GB]
• [X] JP H03153800 A 19910701 - TOMBOW PENCIL
• [X] US 2009054298 A1 20090226 - GROSS STEPHEN F [US]
• [X] JP H10316999 A 19981202 - KAO CORP
• [X] US 5656585 A 19970812 - GRANDMAIRE JEAN-PAUL [BE], et al
• [X] WO 9533027 A1 19951207 - PROCTER & GAMBLE [US]
• [X] EP 0673992 A2 19950927 - AMWAY CORP [US]
• [X] US 2007238780 A1 20071011 - LUTZ PATRICK J [US]
• [X] US 3083143 A 19630326 - HANS SCHMID, et al
• [X] GB 1186411 A 19700402 - EMERY INDUSTRIES INC [US]
• [X] WO 0183665 A1 20011108 - KIMBERLY CLARK CO [US]
• [X] WO 9817750 A1 19980430 - PROCTER & GAMBLE [US], et al
• [X] FR 2959753 A1 20111111 - WID TEAM [FR]
• [X] DAIO A ET AL: "Manufacture of transparent gel-like soap used as toilet soap, involves mixing olive oil, palm oil, castor oil, coconut oil, water and potassium hydroxide, followed by performing saponification, adding ethanol, heating and cooling", WPI / THOMSON,., vol. 2009, no. 3, 24 December 2008 (2008-12-24), XP002585097

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