

Title (en)

DETERGENT COMPOSITIONS CONTAINING ANIONIC SURFACTANTS, POLYHYDROXY FATTY ACID AMIDES AND MAGNESIUM.

Title (de)

ANIONTENSIDE, POLYHYDROXYFETTSÄUREAMIDE UND MAGNESIUM ENTHALTENDE WASCHMITTELZUSAMMENSETZUNGEN.

Title (fr)

COMPOSITIONS DETERGENTES CONTENANT DES AGENTS TENSIO-ACTIFS ANIONIQUES, DES AMIDES D'ACIDE GRAS DE POLYHYDROXY ET DU MAGNESIUM.

Publication

EP 0551410 B1 19950913 (EN)

Application

EP 91918975 A 19910925

Priority

- US 9106982 W 19910925
- US 75590591 A 19910906
- US 59061790 A 19900928

Abstract (en)

[origin: WO9206156A1] The present invention provides a detergent composition comprising one or more anionic sulfate or sulfonate surfactants; one or more polyhydroxy fatty acid amides having formula (I) wherein R<1> is H, a C1-C4 hydrocarbyl, 2-hydroxy ethyl, 2-hydroxy propyl, or mixtures thereof, R<2> is a C5-C31 hydrocarbyl, and Z is a polyhydroxyhydrocarbyl having a linear hydrocarbyl chain with at least 3 hydroxyl groups directly connected to the chain, or an alkoxylated derivative thereof; and magnesium in a molar amount corresponding to 0.1X-2.0X, wherein X is the number of moles of anionic sulfate or sulfonate surfactant present in said composition. The present invention also provides for a method for cleaning soiled dishes by treating said dishes with the detergent compositions disclosed herein.

IPC 1-7

C11D 1/65; **C11D 1/86**; **C11D 1/52**; **C11D 3/32**

IPC 8 full level

C11D 1/52 (2006.01); **C11D 1/65** (2006.01); **C11D 1/66** (2006.01); **C11D 1/86** (2006.01); **C11D 3/32** (2006.01); **C11D 1/14** (2006.01); **C11D 1/20** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/44** (2006.01); **C11D 1/72** (2006.01)

IPC 8 main group level

C11D (2006.01)

CPC (source: EP)

C11D 1/525 (2013.01); **C11D 1/652** (2013.01); **C11D 1/662** (2013.01); **C11D 1/86** (2013.01); **C11D 3/32** (2013.01); **C11D 1/14** (2013.01); **C11D 1/20** (2013.01); **C11D 1/22** (2013.01); **C11D 1/29** (2013.01); **C11D 1/44** (2013.01); **C11D 1/52** (2013.01); **C11D 1/72** (2013.01)

Cited by

EP4119644A1; EP4119643A1; EP4119645A1; WO2023122542A1

Designated contracting state (EPC)

BE CH DE DK ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

WO 9206156 A1 19920416; AU 8768891 A 19920428; BR 9106933 A 19930817; CA 2092184 A1 19920329; CA 2092184 C 19980630; CN 1029010 C 19950621; CN 1061036 A 19920513; CZ 281623 B6 19961113; CZ 32393 A3 19940316; DE 69113057 D1 19951019; DE 69113057 T2 19960530; DK 0551410 T3 19960205; EG 19743 A 19960131; EP 0551410 A1 19930721; EP 0551410 B1 19950913; ES 2077250 T3 19951116; FI 931368 A0 19930326; FI 931368 A 19930426; GR 3018284 T3 19960331; HU 214048 B 19971229; HU 9300765 D0 19930728; HU T64378 A 19931228; IE 913418 A1 19920408; JP H06505032 A 19940609; MA 22304 A1 19920401; MX 9101364 A 19920504; MY 131214 A 20070731; NO 931021 D0 19930322; NO 931021 L 19930512; NZ 240040 A 19950526; PT 99101 A 19920831; PT 99101 B 19990226; SK 21893 A3 19930707; TR 26011 A 19931101

DOCDB simple family (application)

US 9106982 W 19910925; AU 8768891 A 19910925; BR 9106933 A 19910925; CA 2092184 A 19910925; CN 91108489 A 19910927; CZ 32393 A 19910925; DE 69113057 T 19910925; DK 91918975 T 19910925; EG 58891 A 19910928; EP 91918975 A 19910925; ES 91918975 T 19910925; FI 931368 A 19930326; GR 950403402 T 19951205; HU 76593 A 19910925; IE 341891 A 19910927; JP 51727091 A 19910925; MA 22587 A 19910927; MX 9101364 A 19910930; MY PI9101786 A 19910928; NO 931021 A 19930322; NZ 24004091 A 19910930; PT 9910191 A 19910927; SK 21893 A 19910925; TR 93891 A 19910930