

Title (en)

C8-C22-Carboxylic acid amide ether sulphate tenside combinations being mild to the skin

Title (de)

C8-C22-Carbonsäureamidethersulfate in hautmilden Tensidkombinationen

Title (fr)

Combinaisons de détergents doux pour la peau contenant un sulfate C8-C22 de l'éther amide d'acide carboxylique

Publication

EP 0918085 B1 20030521 (DE)

Application

EP 98121749 A 19981116

Priority

DE 19751952 A 19971124

Abstract (en)

[origin: EP0918085A1] Use of 8-22 Carboxylic acid amide ether sulfates of formula (I) as components in manual dishwashing agents. (I) have the formula $R_{<1>-CO-NH(CH_2CH_2O)_n-SO_3^-M^{+}}$ (I) $R_{<1>}$ = 8-22 C saturated or unsaturated alkyl group; $n = 1-10$; M^{+} = alkali(ne earth) metal or quaternary ammonium ion. The detergent combination used in the manual dishwashing composition in the in vitro Q-test has a swelling value of less than 25%, more preferably less than 10% and particularly less than 0 % (U. Zeidler, G. Reese, Arztliche Kosmetologie, 1983, 13, 39-45; Swelling behaviour of isolated pig epidermis in the presence of detergent solutions; relative change in swelling Q relative to water given by $Q = ((t/w)-1) \times 100\%$, in which t and w are the water weights of the treated skin in multiples of the dry wt., where t = the sample treated with detergent solution and w = the sample treated with water and t and w are given by $t, w = (\text{weight of swollen epidermis} - \text{weight of dry epidermis})/(\text{weight of dry epidermis})$). Independent claims are included covering: (a) detergent compositions which are kind to the skin, comprising: (A) a carboxylic acid amide ether sulfate (I), (B) a betaine compound (II), (C) alkylpolyglycosides (III) and (D) either containing no further anionic detergent components or, as sole additional anionic detergent, fatty alcohol ether sulfates (IV); and (b) manual dishwashing agents which are kind to the skin and which contain the said detergent combinations.

IPC 1-7

C11D 1/83; **C11D 1/94**

IPC 8 full level

C11D 1/28 (2006.01); **C11D 1/29** (2006.01); **C11D 1/83** (2006.01); **C11D 1/94** (2006.01); **C11D 1/66** (2006.01); **C11D 1/90** (2006.01)

CPC (source: EP)

C11D 1/28 (2013.01); **C11D 1/29** (2013.01); **C11D 1/94** (2013.01); **C11D 1/662** (2013.01); **C11D 1/90** (2013.01)

Cited by

CN110446695A

Designated contracting state (EPC)

AT BE DE ES FR IT NL

DOCDB simple family (publication)

EP 0918085 A1 19990526; **EP 0918085 B1 20030521**; AT E241000 T1 20030615; DE 19751952 A1 19990527; DE 59808431 D1 20030626; ES 2200259 T3 20040301

DOCDB simple family (application)

EP 98121749 A 19981116; AT 98121749 T 19981116; DE 19751952 A 19971124; DE 59808431 T 19981116; ES 98121749 T 19981116