

Title (en)

NOVEL USE OF HEPTYLPOLYGLYCOSIDES FOR SOLUBILIZING NON-IONIC SURFACTANTS IN AQUEOUS ACIDIC CLEANING COMPOSITIONS, AND AQUEOUS ACIDIC CLEANING COMPOSITIONS COMPRISING SAME

Title (de)

NEUE VERWENDUNG VON HEPTYLPOLYGLYCOSIDEN ZUR AUFLÖSUNG VON NICHT IONISCHEN TENSIDEN IN WÄSSRIGEN SAUREN REINIGUNGSZUSAMMENSETZUNGEN UND WÄSSRIGE SAURE REINIGUNGSZUSAMMENSETZUNGEN DAMIT

Title (fr)

NOUVELLE UTILISATION D'HEPTYLPOLYGLYCOSIDES POUR SOLUBILISER DES TENSIOACTIFS NON-IONIQUES DANS DES COMPOSITIONS NETTOYANTES ACIDES AQUEUSES, ET COMPOSITIONS NETTOYANTES ACIDES AQUEUSES LES COMPRENANT

Publication

EP 2714876 B1 20170809 (FR)

Application

EP 12728679 A 20120514

Priority

- FR 1154653 A 20110527
- FR 2012051070 W 20120514

Abstract (en)

[origin: WO2012164190A1] The subject matter of the invention is the use a composition (C) represented by formula (I): $R_i-O-(G)_p-H$ (I) in which G is a reducing sugar residue, R_i is a heptyl radical and p is a decimal number greater than 1, and less than or equal to 5, wherein said composition (C) consists of a mixture of compounds represented by the formulae (h), (I2), (I3), (U) and (I5): $RrO-(G)_i-H$ (h), $RrO-(G)_2-H$ (I2), $RrO-(G)_3-H$ (I3), $RrO-(G)_4-H$ (I4), $RrO-(G)_5-H$ (I5), in the respective molar proportions a_1 , a_2 , a_3 , a_4 and a_5 , such that: the sum $a_1 + a_2 + a_3 + a_4 + a_5$ is equal to 1 and that the sum $a_1 + 2a_2 + 3a_3 + 4a_4 + 5a_5$ is equal to p, as an agent for solubilizing at least one non-ionic surfactant of formula (II): $R-(O-CH(R')-CH_2)_n-(O-CH_2-CH_2)_m-O-H$ (II), in which R is an aliphatic radical containing from 8 to 14 carbon atoms, R' is a methyl or ethyl radical, n is greater or equal to 0 and less than or equal to 15, m is greater than or equal to 0 and less than or equal to 15, it being understood that the sum $n + m$ is greater than zero, in an aqueous acidic composition. The subject matter of the invention is also the compositions (Ci) comprising, for 100% of the weight thereof, from 0.2% to 40% by weight of at least one composition represented by formula (I); and from 0.2% to 80% by weight of at least one non-ionic surfactant of formula (II), and the use thereof for cleaning hard surfaces.

IPC 8 full level

C11D 1/66 (2006.01); **C11D 1/722** (2006.01); **C11D 1/825** (2006.01); **C11D 3/00** (2006.01); **C11D 3/04** (2006.01); **C11D 3/20** (2006.01); **C11D 3/22** (2006.01)

CPC (source: EP US)

C11D 1/825 (2013.01 - EP US); **C11D 1/8255** (2013.01 - EP US); **C11D 3/0026** (2013.01 - EP US); **C11D 3/042** (2013.01 - EP US); **C11D 3/2075** (2013.01 - EP US); **C11D 3/221** (2013.01 - US); **C11D 1/662** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 1/722** (2013.01 - EP US)

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)

FR 2975703 A1 20121130; **FR 2975703 B1 20130705**; CN 103562367 A 20140205; CN 103562367 B 20161123; DK 2714876 T3 20171002; EP 2714876 A1 20140409; EP 2714876 B1 20170809; US 2014113850 A1 20140424; US 9080132 B2 20150714; WO 2012164190 A1 20121206

DOCDB simple family (application)

FR 1154653 A 20110527; CN 201280025789 A 20120514; DK 12728679 T 20120514; EP 12728679 A 20120514; FR 2012051070 W 20120514; US 201214122684 A 20120514