

Title (en)
CLEANING CARE PRODUCT WITH IMPROVED EMULSIFICATION PROPERTIES

Title (de)
REINIGUNGS- UND PFLEGEMITTEL MIT VERBESSERTER EMULGIERFÄHIGKEIT

Title (fr)
PRODUITS DE NETTOYAGE ET D'ENTRETIEN PRESENTANT UNE EMULSIBILITE AMELIOREE

Publication
EP 1904613 B1 20091223 (DE)

Application
EP 06754551 A 20060624

Priority
• EP 2006006111 W 20060624
• DE 102005034752 A 20050721

Abstract (en)
[origin: WO2007009555A1] The invention relates to a cleaning care product containing a surfactant system with at least two non-ionic surfactants A and B, having different chemical structures from each other, both of which however can be represented by the following structure $R^{1}-O-[CH_2CH(R^{2})O]_X-R^{3}$, where R^1 and R^3 independently = H or a linear or branched, saturated or unsaturated, aliphatic or aromatic 1-30C hydrocarbon which can contain up to 6 hydroxy and/or 3 ether functions, with the proviso that at least one of R^1 and R^3 is not H, R^2 = H or methyl-, ethyl-, n-propyl-, iso-propyl-, n-butyl-, 2-butyl- or 2-methyl-butyl group, each R^2 with $x = 2$ can be different and x is greater than 1 and a thickening agent and has a pH of less than 6 as a 1 wt. % aqueous solution (20°C) which has an improved emulsifying capacity for fats and oils.

IPC 8 full level
C11D 1/825 (2006.01); **C11D 3/20** (2006.01)

CPC (source: EP)
C11D 1/825 (2013.01); **C11D 3/2006** (2013.01); **C11D 3/2068** (2013.01); **C11D 1/72** (2013.01); **C11D 1/722** (2013.01)

Cited by
EP2333042A1; US8681334B2; US8431518B2; WO2011071997A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102005034752 A1 20070125; AT E452956 T1 20100115; DE 502006005735 D1 20100204; EP 1904613 A1 20080402; EP 1904613 B1 20091223; PL 1904613 T3 20100630; WO 2007009555 A1 20070125

DOCDB simple family (application)
DE 102005034752 A 20050721; AT 06754551 T 20060624; DE 502006005735 T 20060624; EP 06754551 A 20060624; EP 2006006111 W 20060624; PL 06754551 T 20060624