

Title (en)
LIQUID DETERGENT COMPOSITION.

Title (de)
FLÜSSIGES REINIGUNGSMITTEL.

Title (fr)
COMPOSITION DE DETERGENT LIQUIDE.

Publication
EP 0479846 B1 19931103 (EN)

Application
EP 90909723 A 19900612

Priority
• EP 9000971 W 19900612
• GB 8914602 A 19890626

Abstract (en)
[origin: WO9100331A1] An aqueous detergent-active structured liquid detergent composition comprising: (a) a first nonionic surfactant having an HLB of 12.0 or more; (b) a second nonionic material selected from: (i) C6-C20 aliphatic alcohols; (ii) alkoxylated C8-C24 fatty alcohols, fatty acids, fatty amides or fatty amines, containing from 1-3 alkoxy groups of 2-4 C atoms; (iii) nonionics of the following formula: $RO(C_nH_{2n}O)_x(CH_2CH(OH)CH_2O)_yH$, wherein R is an alkyl or alkenyl group having from 9 to 25 carbon atoms, n is 2 to 4, x is from 0 to 3, y is from 1-3, the alkylene oxide and glycerol groups are arranged in random or block formation, preferably the molecule is terminated with at least one glycerol group; (iv) mono- or diesters of fatty acids and C2-4 polyols, or esters of fatty acids with reducing hexose or pentose sugars; or mixtures thereof; (c) optionally an anionic surfactant material up to a level of 50 weight % of the total of components a, b and c.

IPC 1-7
C11D 1/825; **C11D 17/00**

IPC 8 full level
C11D 1/825 (2006.01); **C11D 1/83** (2006.01); **C11D 17/00** (2006.01); **C11D 17/08** (2006.01); **C11D 1/22** (2006.01); **C11D 1/44** (2006.01); **C11D 1/52** (2006.01); **C11D 1/66** (2006.01); **C11D 1/68** (2006.01); **C11D 1/72** (2006.01); **C11D 1/722** (2006.01); **C11D 1/74** (2006.01)

CPC (source: EP KR)
C11D 1/825 (2013.01 - EP KR); **C11D 1/83** (2013.01 - EP); **C11D 17/0026** (2013.01 - EP); **C11D 1/22** (2013.01 - EP); **C11D 1/44** (2013.01 - EP); **C11D 1/526** (2013.01 - EP); **C11D 1/662** (2013.01 - EP); **C11D 1/667** (2013.01 - EP); **C11D 1/72** (2013.01 - EP); **C11D 1/722** (2013.01 - EP); **C11D 1/74** (2013.01 - EP)

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9100331 A1 19910110; AU 5855990 A 19910117; AU 639243 B2 19930722; BR 9007474 A 19920616; CA 2063264 A1 19901227; CA 2063264 C 20011002; DE 69004432 D1 19931209; DE 69004432 T2 19940224; DE 69004432 T3 20040318; EP 0479846 A1 19920415; EP 0479846 B1 19931103; EP 0479846 B2 20030827; ES 2060182 T3 19941116; ES 2060182 T5 20040501; GB 8914602 D0 19890816; JP H04506367 A 19921105; KR 920702718 A 19921006; KR 960000200 B1 19960103; ZA 904960 B 19920226

DOCDB simple family (application)
EP 9000971 W 19900612; AU 5855990 A 19900612; BR 9007474 A 19900612; CA 2063264 A 19900612; DE 69004432 T 19900612; EP 90909723 A 19900612; ES 90909723 T 19900612; GB 8914602 A 19890626; JP 50916490 A 19900612; KR 910701967 A 19911226; ZA 904960 A 19900626