

Title (en)
LIQUID DETERGENTS.

Title (de)
FLÜSSIGE WASCHMITTEL.

Title (fr)
DETERGENTS LIQUIDES.

Publication
EP 0504159 B1 19940504

Application
EP 90916484 A 19901112

Priority
• EP 9001885 W 19901112
• GB 8927730 A 19891207
• GB 9014830 A 19900704

Abstract (en)
[origin: WO9109108A1] A detergent composition comprising a dispersion of lamellar droplets of detergent active materials in an aqueous continuous phase, said composition comprising from 0.1 to 16 % by weight of surface active materials and no or less than 20 % by weight of STP plus zeolite builder material, said composition also comprising a deflocculating polymer; with the provisos that (a) when the level of surface active materials is between 12 % and 16 % by weight of the composition, then the composition comprises no or less than 7 % by weight of STP plus zeolite builder material; and (b) when the composition comprises from 3 % to 12 % of a potassium alkyl benzene sulphonate, from 2 % to 8 % of a potassium fatty acid soap, from 0.5 to 5 % of a nonionic surfactant, and from 1 to 25 % of STP and/or tetrapotassium pyrophosphate, all percentages being by weight, the weight ratio of said sulphonate to said nonionic surfactant being from 3:5 to 25:1, and the total amount of said sulphonate, soap and nonionic surfactant being from 7.5 to 20 % by weight, then the deflocculating polymer does not consist solely of from 0.1 to 2 % by weight of a partially esterified, neutralised copolymer of maleic anhydride with vinylmethyl ether, ethylene or styrene.

IPC 1-7
C11D 17/00; **C11D 3/37**; **C11D 3/22**

IPC 8 full level
C11D 3/22 (2006.01); **C11D 3/37** (2006.01); **C11D 17/00** (2006.01); **C11D 17/08** (2006.01)

CPC (source: EP)
C11D 3/225 (2013.01); **C11D 3/227** (2013.01); **C11D 3/228** (2013.01); **C11D 3/3765** (2013.01); **C11D 17/0026** (2013.01)

Citation (examination)
EP 0301882 A1 19890201 - UNILEVER PLC [GB], et al

Cited by
US8828364B2

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

DOCDB simple family (publication)
WO 9109108 A1 19910627; AU 652543 B2 19940901; AU 6649290 A 19910718; BR 9007902 A 19920915; DE 69008735 D1 19940609; DE 69008735 T2 19940825; EP 0504159 A1 19920923; EP 0504159 B1 19940504; ES 2052279 T3 19940701; JP 2823355 B2 19981111; JP H05502249 A 19930422

DOCDB simple family (application)
EP 9001885 W 19901112; AU 6649290 A 19901112; BR 9007902 A 19901112; DE 69008735 T 19901112; EP 90916484 A 19901112; ES 90916484 T 19901112; JP 51533390 A 19901112