

Title (en)
Low sudsing liquid detergent compositions

Title (de)
Flüssige schwach schäumende Waschmittel

Title (fr)
Compositions détergentes liquides peu moussantes

Publication
EP 0798370 B1 20040929 (EN)

Application
EP 96870038 A 19960329

Priority
EP 96870038 A 19960329

Abstract (en)
[origin: EP0798370A1] A liquid detergent comprising a silicone suds suppressor and a short chain length amine surfactant selected from the formulas (i)-(viii) : R1 - NH2 R1 - N(R2)2 R1 - N(R2)2 ->O R1 - (CO) - N (CH2)3 - N (R3)2 R1 - (CO) - N (CH2)3 - N (R3)2 ->O R1 - (CO) - N (CH2)2 - N (R3)2 ->O R1 - (CO) - N Ä(CH2)2-OÜx - N (R3)2 ->O and mixtures thereof wherein R1 is a linear, branched, cyclic, saturated or unsaturated alkyl group having 6 to 10 carbons atoms; R2 is a hydrogen or methyl group; R3 is independently selected from a hydrogen, methyl, CH2CH2OH, polyethoxy or polypropoxy group and x is between 1 to 5.

IPC 1-7
C11D 3/30; C11D 1/75

IPC 8 full level
C11D 1/12 (2006.01); **C11D 1/40** (2006.01); **C11D 1/52** (2006.01); **C11D 1/75** (2006.01); **C11D 3/00** (2006.01); **C11D 3/30** (2006.01); **C11D 3/37** (2006.01); **C11D 17/06** (2006.01); **C11D 17/08** (2006.01)

CPC (source: EP)
C11D 1/40 (2013.01); **C11D 1/75** (2013.01); **C11D 3/0026** (2013.01); **C11D 3/30** (2013.01); **C11D 3/373** (2013.01)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
EP 0798370 A1 19971001; EP 0798370 B1 20040929; AR 006412 A1 19990825; AT E278001 T1 20041015; BR 9708464 A 19990413; CA 2250486 A1 19971009; CA 2250486 C 20031216; CN 1219959 A 19990616; CZ 310698 A3 19990217; DE 69633493 D1 20041104; DE 69633493 T2 20060216; DK 0798370 T3 20050103; ES 2230558 T3 20050501; JP 2000509078 A 20000718; JP 3242668 B2 20011225; TR 199801947 T2 19981221; WO 9736982 A1 19971009; ZA 972725 B 19971023

DOCDB simple family (application)
EP 96870038 A 19960329; AR P970101228 A 19970326; AT 96870038 T 19960329; BR 9708464 A 19970325; CA 2250486 A 19970325; CN 97195043 A 19970325; CZ 310698 A 19970325; DE 69633493 T 19960329; DK 96870038 T 19960329; ES 96870038 T 19960329; JP 53536897 A 19970325; TR 9801947 T 19970325; US 9704795 W 19970325; ZA 972725 A 19970327