

Title (en)
DETERGENT COMPOSITIONS

Title (de)
WASCHMITTELZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DETERGENTES

Publication
EP 0934377 A4 20010207 (EN)

Application
EP 97910764 A 19971002

Priority

- GB 9621799 A 19961018
- GB 9621791 A 19961018
- GB 9705816 A 19970320
- US 9717781 W 19971002

Abstract (en)
[origin: WO9817754A1] The present invention relates to detergent compositions or components thereof containing at least 20 % by weight of an inorganic builder and one or more cationic surfactants of the formula: R<1>R<2>R<3>R<4>N<+> X<-> in which R<1> is a hydroxyalkyl group having no greater than 6 carbon atoms; each of R<2> and R<3> is independently selected from C1-4 alkyl or alkenyl; R<4> is a C5-11 alkyl or alkenyl; and X<-> is a counterion.

IPC 1-7
C11D 1/62; **C11D 3/02**; **C11D 3/04**; **C11D 3/06**; **C11D 3/08**; **C11D 3/10**; **C11D 3/12**

IPC 8 full level
C11D 1/22 (2006.01); **C11D 1/28** (2006.01); **C11D 1/62** (2006.01); **C11D 1/65** (2006.01); **C11D 1/66** (2006.01); **C11D 1/86** (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01); **C11D 1/14** (2006.01); **C11D 1/52** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)
C11D 1/22 (2013.01); **C11D 1/28** (2013.01); **C11D 1/62** (2013.01); **C11D 1/65** (2013.01); **C11D 1/66** (2013.01); **C11D 1/86** (2013.01); **C11D 3/10** (2013.01); **C11D 3/1273** (2013.01); **C11D 3/128** (2013.01); **C11D 3/37** (2013.01); **C11D 3/3942** (2013.01); **C11D 3/3945** (2013.01); **C11D 1/143** (2013.01); **C11D 1/146** (2013.01); **C11D 1/525** (2013.01); **C11D 1/662** (2013.01); **C11D 1/72** (2013.01)

Citation (search report)
No further relevant documents disclosed

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)
WO 9817754 A1 19980430; AU 4805597 A 19980515; BR 9712991 A 20011218; CA 2268633 A1 19980430; EP 0934377 A1 19990811; EP 0934377 A4 20010207; HU P0000115 A2 20000628; MA 24382 A1 19980701; MX 9903684 A 19990901

DOCDB simple family (application)
US 9717781 W 19971002; AU 4805597 A 19971002; BR 9712991 A 19971002; CA 2268633 A 19971002; EP 97910764 A 19971002; HU P0000115 A 19971002; MA 24841 A 19971017; MX 9903684 A 19990419