

Title (en)

Alkaline detergent compositions comprising alkylbenzene sulfonates and alkanolamines

Title (de)

Alkalische Wasch- und Reinigungsmittelzusammensetzung enthaltend Alkylbenzolsulfonate und Alkanolamine

Title (fr)

Compositions détergentes alcalines comprenant des alkylbenzènes sulfonates et des alcanolamines

Publication

EP 1050575 B1 20060329 (DE)

Application

EP 00109419 A 20000503

Priority

DE 19920256 A 19990503

Abstract (en)

[origin: EP1050575A2] Alkaline (laundry) detergent contains: (a) alkylbenzenesulfonic acid(s) or salt(s) with a linear or branched 8-24 carbon (C) alkyl group, (b) alkanolamine(s) and/or their ammonium salt(s) (I) and (c) 0-10 wt.% builder(s), the (a):(b) weight ratio being (7-1):1. Alkaline (laundry) detergent contains: (a) alkylbenzenesulfonic acid(s) or salt(s) with a linear or branched 8-24 carbon (C) alkyl group, (b) alkanolamine(s) and/or their ammonium salt(s) of formula (I) and (c) 0-10 wt.% builder(s), the (a):(b) weight ratio being (7-1):1; $(H^+)_nN(RaO)_kH(RbO)_lH(RcO)_mH$ (I) k, l, m = 0-3; k+l+m = over 1; n = 0 or 1; Ra, Rb, Rc = linear or branched hydrocarbyl with 2-6 C and, in at least case, 3-6 C.

IPC 8 full level

C11D 1/22 (2006.01); **C11D 3/30** (2006.01)

CPC (source: EP)

C11D 1/22 (2013.01); **C11D 3/30** (2013.01)

Cited by

WO2010105961A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1050575 A2 20001108; EP 1050575 A3 20010418; EP 1050575 B1 20060329; AT E321833 T1 20060415; DE 19920256 A1 20001116; DE 50012461 D1 20060518; ES 2259954 T3 20061101

DOCDB simple family (application)

EP 00109419 A 20000503; AT 00109419 T 20000503; DE 19920256 A 19990503; DE 50012461 T 20000503; ES 00109419 T 20000503