

Title (en)
Dimensionally stable dish cleaner

Title (de)
Formstabile Geschirreiniger

Title (fr)
Agent de nettoyage de dimension stable pour la vaisselle

Publication
EP 0711826 B1 20000524 (DE)

Application
EP 95117602 A 19951108

Priority
DE 4440142 A 19941110

Abstract (en)
[origin: EP0711826A2] A process for the prepn. of cleaning agents in the form of foam blocks is claimed. The blocks comprise 50-400 pts. wt. (A); 50-400 pts. wt. (B); 10-400 pts. wt. (C); 1-10 pts. wt. (D); up to 150 pts. wt. water; and opt. other standard cleaning agent components. (A) are alkali silicates; (B) are alkali hydroxides and/or (hydrogen)carbonates; (C) are alkali phosphates; (D) are phosphoric acid partial esters. The process comprises reacting (D) with an aq. soln. of (B), followed by the addn. of the remaining powdered components whilst stirring and/or kneading to form a foam, and then processing the foamed mixts. into small moulds and leaving them to set. Cleaning agents prepd. by this method are also claimed.

IPC 1-7
C11D 17/00; **C11D 1/78**; **C11D 3/36**; **C11D 3/06**; **C11D 3/10**; **C11D 3/08**

IPC 8 full level
C11D 1/78 (2006.01); **C11D 3/06** (2006.01); **C11D 3/08** (2006.01); **C11D 3/10** (2006.01); **C11D 3/36** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)
C11D 1/78 (2013.01); **C11D 3/06** (2013.01); **C11D 3/08** (2013.01); **C11D 3/10** (2013.01); **C11D 3/362** (2013.01); **C11D 17/0091** (2013.01)

Cited by
US7153820B2; US7256168B2; WO03016456A1; WO0188079A1

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

DOCDB simple family (publication)
EP 0711826 A2 19960515; **EP 0711826 A3 19971210**; **EP 0711826 B1 20000524**; AT E193321 T1 20000615; DE 4440142 A1 19960515; DE 4440142 C2 19990311; DE 59508387 D1 20000629

DOCDB simple family (application)
EP 95117602 A 19951108; AT 95117602 T 19951108; DE 4440142 A 19941110; DE 59508387 T 19951108