

Title (en)

Stability of liquid automatic dish-washing detergents.

Title (de)

Verbesserte Stabilität von flüssigen Reinigungsmitteln für Geschirrspülmaschinen.

Title (fr)

Détergents liquides pour machine à laver la vaisselle à stabilité améliorée.

Publication

EP 0320126 A1 19890614 (EN)

Application

EP 88310674 A 19881111

Priority

US 11974987 A 19871112

Abstract (en)

The physical stability of clay structured liquid automatic dishwashing detergents can be improved significantly by correctly proportioning the functional raw materials. Correct selection of the type and level of components such as phosphates, silicates and carbonates obviates the need for separate physical stabilizers.

IPC 1-7

C11D 3/12; C11D 3/395

IPC 8 full level

B01D 19/04 (2006.01); **C11D 1/34** (2006.01); **C11D 3/06** (2006.01); **C11D 3/08** (2006.01); **C11D 3/12** (2006.01); **C11D 3/395** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

C11D 1/345 (2013.01); **C11D 3/1266** (2013.01); **C11D 3/3956** (2013.01); **C11D 17/003** (2013.01)

Citation (search report)

- [X] FR 2520004 A1 19830722 - COLGATE PALMOLIVE CO [US]
- [XD] GB 2140450 A 19841128 - COLGATE PALMOLIVE CO
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Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0320126 A1 19890614; AU 2511188 A 19890518; BR 8807290 A 19900327; JP H02501488 A 19900524; WO 8904362 A1 19890518; ZA 888457 B 19900725

DOCDB simple family (application)

EP 88310674 A 19881111; AU 2511188 A 19881114; BR 8807290 A 19881111; GB 8801000 W 19881111; JP 50908188 A 19881111; ZA 888457 A 19881111