

Title (en)

Dishwashing detergent.

Title (de)

Geschirreinigungsmittel.

Title (fr)

Détergent pour le lavage de la vaisselle.

Publication

**EP 0032236 A1 19810722 (DE)**

Application

**EP 80108195 A 19801224**

Priority

- DE 3000981 A 19800112
- DE 3007998 A 19800301

Abstract (en)

[origin: US4324677A] Stable, alkaline, granulated dishwashing agent composition containing active chlorine for use in mechanical dishwashers, having a content of builder salts, alkali metal silicates, alkali metal carbonates and, optionally, nonionic surface-active compounds and containing from 1% to 30% by weight of finely divided trichloroisocyanuric acid in the form of granulates or prills with a total surface area as small as possible and having a degree of purity of  $\geq 99\%$  as determined by laser-Raman spectroscopy, and from 10% to 40% by weight of granulated alkali metal hydroxide with a total surface area as small as possible.

Abstract (de)

Maschinell anwendbares Geschirreinigungsmittel mit einem hohen Mengengehalt an Alkalimetallhydroxiden mit möglichst kleiner Oberfläche und einem Gehalt an feingranulierter reinster Trichlorisocyanursäure.

IPC 1-7

**C11D 3/395**; **C11D 3/28**; **C11D 3/08**

IPC 8 full level

**C11D 3/08** (2006.01); **C11D 3/28** (2006.01); **C11D 3/395** (2006.01); **C11D 7/06** (2006.01)

CPC (source: EP US)

**C11D 3/28** (2013.01 - EP US); **C11D 3/3955** (2013.01 - EP US); **C11D 7/06** (2013.01 - EP US)

Citation (search report)

- DE 2340910 A1 19740228 - PROCTER & GAMBLE
- DE 2358249 A1 19740530 - FMC CORP
- US 3166513 A 19650119 - MIZUNO WILLIAM G, et al
- DE 1167473 B 19640409 - AZOTE OFFICE NAT IND
- DE 2219804 A1 19731031 - KNAPSACK AG

Cited by

DE3832885A1; EP0826768A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT NL SE

DOCDB simple family (publication)

**EP 0032236 A1 19810722**; **EP 0032236 B1 19840215**; DE 3066661 D1 19840322; US 4324677 A 19820413

DOCDB simple family (application)

**EP 80108195 A 19801224**; DE 3066661 T 19801224; US 22134180 A 19801229