

Title (en)

Phosphate-free detergent for mechanical dish-washing.

Title (de)

Phosphatfreie Maschinengeschirreinigungsmittel.

Title (fr)

Agent de nettoyage sous phosphate pour le lavage de la vaisselle en machine.

Publication

EP 0625567 A3 19950531 (DE)

Application

EP 94105346 A 19940407

Priority

DE 4316745 A 19930519

Abstract (en)

[origin: EP0625567A2] The invention relates to the use of phosphate-free formulations composed of (a) biodegradable copolymers, (b) alkali formers and, where appropriate, (c) dispersants and complexing agents, (d) low-foaming surfactants and (e) other additives as mechanical dishwashing compositions. These formulations are distinguished by improved biodegradability.

IPC 1-7

C11D 3/37

IPC 8 full level

C11D 3/37 (2006.01)

CPC (source: EP)

C11D 3/3757 (2013.01)

Citation (search report)

- [X] EP 0510944 A2 19921028 - COLGATE PALMOLIVE CO [US]
- [X] EP 0497611 A1 19920805 - ROHM & HAAS [US]
- [X] EP 0451508 A1 19911016 - BASF AG [DE]
- [E] DE 4316741 A1 19941124 - HUELS CHEMISCHE WERKE AG [DE]

Cited by

EP0774507A3; US8093196B2; WO2007025955A1; US6207780B1; US10781399B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0625567 A2 19941123; EP 0625567 A3 19950531; EP 0625567 B1 20010117; AT E198763 T1 20010215; DE 4316745 A1 19941124; DE 59409637 D1 20010222

DOCDB simple family (application)

EP 94105346 A 19940407; AT 94105346 T 19940407; DE 4316745 A 19930519; DE 59409637 T 19940407