

Title (en)
DISH CLEANING AGENT

Publication
EP 0171008 B1 19910227 (DE)

Application
EP 85109466 A 19850727

Priority
DE 3428833 A 19840804

Abstract (en)
[origin: EP0171008A2] The agents can be used in machines at low temperatures. They contain alkali metal di- or triphosphates, zeolites or organic complexing agents for calcium, alkali metal metasilicate, sodium carbonate, sodium bicarbonate, waterglass, compounds which release active oxygen, a low-foam, non-ionic surfactant, 0.1 to 5% by weight of a hydrolase enzyme (amylases, proteases, lipases) and as cleaning enhancer 0.1 to 5% by weight of high molecular weight terminal or non-terminal epoxyalkanes which are reacted with 1 mole of mono- or diethanolamine per mole of alkane and are optionally alkoxylated with 1 to 5 mole of ethylene oxide or propylene oxide.

IPC 1-7
C11D 3/06; C11D 3/30; C11D 3/37; C11D 3/386

IPC 8 full level
C11D 1/52 (2006.01); **C11D 3/06** (2006.01); **C11D 3/30** (2006.01); **C11D 3/37** (2006.01); **C11D 3/386** (2006.01)

CPC (source: EP)
C11D 3/30 (2013.01); **C11D 3/3703** (2013.01); **C11D 3/3707** (2013.01); **C11D 3/38609** (2013.01); **C11D 3/38627** (2013.01)

Cited by
US4931217A; US4935561A; WO9716408A1; EP0271155B2

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EP 0171008 A2 19860212; EP 0171008 A3 19890503; EP 0171008 B1 19910227; AT E61066 T1 19910315; DE 3428833 A1 19860213; DE 3581857 D1 19910404; JP S6142596 A 19860301

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