

Title (en)

AUTOMATIC DISHWASHING COMPOSITIONS CONTAINING WATER SOLUBLE CATIONIC OR AMPHOTERIC POLYMERS

Title (de)

MASCHINENGESCHIRRSPÜLMITTEL ENTHALTEND WASSERLÖSLICHE KATIONISCHE ODER AMPHOTERE POLYMERE

Title (fr)

COMPOSITIONS POUR LAVE-VAISSELLE RENFERMANT DES POLYMERES CATIONIQUES OU AMPHOTERES SOLUBLES DANS L'EAU

Publication

EP 0998548 B1 20040929 (EN)

Application

EP 98940267 A 19980713

Priority

- EP 9805002 W 19980713
- US 89875897 A 19970723
- US 7554898 A 19980511

Abstract (en)

[origin: WO9905248A1] An automatic dishwashing machine detergent composition is described which contains an effective amount of a defined water soluble cationic or amphoteric polymer and a phosphate or nonphosphate builder. The polymers are soluble or dispersible to at least 0.01 % by weight in distilled water at 25 DEG C. A method of using the polymers to prevent fading or corrosion of dishware is also described.

IPC 1-7

C11D 3/00; **C11D 3/37**

IPC 8 full level

C11D 3/00 (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)

C11D 3/0073 (2013.01); **C11D 3/227** (2013.01); **C11D 3/3719** (2013.01); **C11D 3/3723** (2013.01); **C11D 3/3769** (2013.01); **C11D 3/3776** (2013.01); **C11D 3/3796** (2013.01)

Citation (examination)

- GB 2303146 A 19970212 - PROCTER & GAMBLE [US]
- US 5565145 A 19961015 - WATSON RANDALL A [US], et al
- WO 9532272 A1 19951130 - PROCTER & GAMBLE [US]
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EP2662436A1; DE102014212728A1; US8841245B2; WO2023105006A1

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AT DE FR IT NL

DOCDB simple family (publication)

WO 9905248 A1 19990204; AT E277998 T1 20041015; AU 8864298 A 19990216; BR 9811023 A 20000919; CA 2296719 A1 19990204; DE 69826671 D1 20041104; DE 69826671 T2 20050210; EP 0998548 A1 20000510; EP 0998548 B1 20040929

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