

Title (en)

Linear viscoelastic aqueous liquid automatic dishwasher detergent composition.

Title (de)

Lineare viskoelastische wässrig flüssige Detergenzzusammensetzung für Geschirrspülautomaten.

Title (fr)

Composition détergente liquide aqueuse à visco-élasticité linéaire pour lave-vaisselle automatique.

Publication

**EP 0541203 A1 19930512 (EN)**

Application

**EP 92304891 A 19920529**

Priority

US 78957991 A 19911108

Abstract (en)

Automatic dishwasher detergent composition is formulated as a linear viscoelastic, pseudoplastic, gel-like aqueous product of exceptionally good physical stability, low bottle residue, low cup leakage, and improved cleaning performance. Linear viscoelasticity and pseudoplastic behavior is attributed by incorporation of cross-linked high molecular weight polyacrylic acid type thickener which is further modified by the incorporation of a clay flow modifier. Potassium to sodium weight ratios of at least 1/2 minimize amount of undissolved solid particles to further contribute to stability and pourability. Stearic acid or other fatty acid or salt further improve physical stability.

IPC 1-7

**C11D 1/04**; **C11D 3/12**; **C11D 3/37**; **C11D 3/395**; **C11D 17/00**

IPC 8 full level

**C11D 1/04** (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01); **C11D 3/395** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

**C11D 1/04** (2013.01); **C11D 3/1266** (2013.01); **C11D 3/3765** (2013.01); **C11D 3/3956** (2013.01); **C11D 17/003** (2013.01)

Citation (search report)

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- [Y] EP 0446761 A1 19910918 - COLGATE PALMOLIVE CO [US]
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Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0541203 A1 19930512**; AU 1616592 A 19930513; AU 656580 B2 19950209; CA 2069834 A1 19930509; FI 922508 A0 19920529; FI 922508 A 19930514; GR 1001240 B 19930630; IE 921738 A1 19930519; NO 922068 D0 19920525; NO 922068 L 19930510; NZ 242835 A 19940927; PT 100528 A 19930930

DOCDB simple family (application)

**EP 92304891 A 19920529**; AU 1616592 A 19920511; CA 2069834 A 19920528; FI 922508 A 19920529; GR 920100240 A 19920529; IE 921738 A 19920701; NO 922068 A 19920525; NZ 24283592 A 19920520; PT 10052892 A 19920529