

Title (en)

Linear viscoelastic aqueous liquid detergent composition, especially for automatic dishwashers, of improved high temperature stability.

Title (de)

Lineares viscoelastisches wässriges flüssiges Waschmittel, insbesondere für Geschirrspülautomaten mit verbesserter Temperaturstabilität.

Title (fr)

Composition détergente aqueuse liquide, visco-élastique linéaire, spécialement pour le lavage de la vaisselle en machine avec stabilité améliorée à haute température.

Publication

EP 0517309 A1 19921209 (EN)

Application

EP 92201527 A 19920527

Priority

US 71160591 A 19910607

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 by the incorporation of a cross-linked high molecular weight polycarboxylate acid type thickener into the composition and employing a potassium to sodium weight ratios of at least 1/1 to minimize the amount of undissolved solid particles and to further contribute to stability and pourability.

IPC 1-7

C11D 3/37; **C11D 3/395**; **C11D 17/00**

IPC 8 full level

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Citation (search report)

- [XP] EP 0446761 A1 19910918 - COLGATE PALMOLIVE CO [US]
- [A] EP 0373864 A2 19900620 - PROCTER & GAMBLE [US]
- [AD] EP 0346112 A2 19891213 - PROCTER & GAMBLE [US]
- [A] GB 2203163 A 19881012 - SANDOZ LTD

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EP0992574A1; US5869601A; EP0560615A1; WO0020547A1; WO9738075A1

Designated contracting state (EPC)

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DOCDB simple family (application)

EP 92201527 A 19920527; AU 1617092 A 19920511; CA 2070025 A 19920529; FI 922496 A 19920529; GR 920100227 A 19920529; IE 921741 A 19920701; NO 922055 A 19920525; NZ 24282292 A 19920520; PT 10054792 A 19920529; TR 48492 A 19920526