

Title (en)

Linear viscoelastic aqueous liquid automatic dishwasher detergent composition.

Title (de)

Lineares, viskoelastisches, wässriges, flüssiges Waschmittel für Geschirrspülautomaten.

Title (fr)

Composition détergente aqueuse liquide linéaire visco-élastique pour le lavage de la vaisselle en machine.

Publication

EP 0560615 A1 19930915

Application

EP 93301874 A 19930311

Priority

US 84968792 A 19920311

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. Control of incorporated air bubbles functions to provide the product with a bulk density of about 1.28 to 1.42 g/cc which roughly corresponds to the density of the liquid phase. Stearic acid or other fatty acid or salt further improve physical stability. <IMAGE>

IPC 1-7

C11D 3/08; **C11D 3/37**; **C11D 3/395**; **C11D 17/00**

IPC 8 full level

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

CPC (source: EP)

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

Citation (search report)

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- [XP] EP 0517311 A1 19921209 - COLGATE PALMOLIVE CO [US]
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- [X] EP 0446761 A1 19910918 - COLGATE PALMOLIVE CO [US]
- [XP] EP 0517309 A1 19921209 - COLGATE PALMOLIVE CO [US]
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DOCDB simple family (application)

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