

Title (en)

Stable thickened liquid cleaning composition containing bleach

Title (de)

Stabile, verdickte flüssige Reinigungsmittelzusammensetzung mit Bleichmittel

Title (fr)

Composition de nettoyage liquide, épaissie stable contenant un agent de blanchiment

Publication

**EP 0421738 B1 19960522 (EN)**

Application

**EP 90310787 A 19901002**

Priority

US 41712389 A 19891004

Abstract (en)

[origin: EP0421738A2] Liquid cleaning compositions displaying enhanced physical stability in the presence of bleach are provided, comprising a chlorine bleach ingredient, cross-linked polycarboxylate polymer, a rheology stabilizing agent, and a buffering agent to maintain the pH of the composition above about 10. Preferred liquid automatic dishwashing detergent compositions containing builder and optional surfactant and metalate, and displaying shear thinning behavior, are disclosed.

IPC 1-7

**C11D 3/395**

IPC 8 full level

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CPC (source: EP KR)

**C11D 1/00** (2013.01 - KR); **C11D 3/3956** (2013.01 - EP)

Cited by

US6180583B1; US6090770A; EP0812909A1; EP0479370A3; US5693601A; US5997764A; US6083422A; EP0668345A1; EP0927243A4; US5252242A; EP0517311A1; GR1001209B; EP0892042A1; EP0781840A1; EP0606707A1; US5851421A; CN1066189C; TR28154A; US6187221B1; WO9830671A1; WO0118167A1

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**EP 0421738 A2 19910410; EP 0421738 A3 19911016; EP 0421738 B1 19960522**; AT E138410 T1 19960615; AU 6378690 A 19910411; AU 648993 B2 19940512; CA 2026332 A1 19910405; CA 2026332 C 19950221; DE 69027086 D1 19960627; ES 2087132 T3 19960716; FI 904873 A0 19901003; HK 1006466 A1 19990226; IE 903545 A1 19910410; JP 2766064 B2 19980618; JP H03166299 A 19910718; KR 910008116 A 19910530; PT 95491 A 19910705; TR 24870 A 19920701

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