

Title (en)

THICKENED BLEACH COMPOSITIONS AND METHOD FOR PREPARING THE SAME

Publication

**EP 0298172 B1 19920617 (EN)**

Application

**EP 87306130 A 19870710**

Priority

- EP 87306130 A 19870710
- CA 541326 A 19870706

Abstract (en)

[origin: EP0298172A1] Bleach compositions, such as aqueous sodium hypochlorite formulations, are thickened by admixing the composition with a viscoelastic surfactant. Viscoelastic surfactants comprise surfactant ions and organic counterions that associate in the bleach composition to form the viscoelastic surfactant. Thickened bleach compositions of this invention exhibit bleach stability, phase stability, and viscosity stability for acceptably long periods of time. The thickened bleach compositions can be employed as nonmisting sprays and streams which will stick to vertical surfaces without substantial dripping and can be applied to various substrates using a dispensing device.

IPC 1-7

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

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

- EP 0030401 A1 19810617 - UNILEVER NV [NL], et al
- DE 3118527 A1 19820527 - SANDOZ AG [DE]
- EP 0092581 A1 19831102 - DOW CHEMICAL CO [US]
- C.A. Barker et al., Phase Structure, Nuclear Magnetic Resonance and Theological Properties of Viscoelastic Sodium Dodecyl Sulphate and Trimethylammonium Bromide Mixtures, J. Chem. Soc. Faraday Transaction I 70 (1970), pp. 154-162

Cited by

EP0668345A1; EP0523826A1; GR1001216B; EP0606712A1; EP0398021A3; GR900100382A; EP0342786A3; US6844305B1; WO9424259A1; EP2325278A1; US8222455B2; EP2256175A2

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