

Title (en)

NEW SOFTENING COMPOSITIONS AND METHODS FOR MAKING AND USING SAME

Publication

**EP 0354856 A3 19900502 (EN)**

Application

**EP 89402291 A 19890811**

Priority

US 23234688 A 19880812

Abstract (en)

[origin: EP0354856A2] Stable pourable aqueous fabric softening compositions based on quaternary ammonium softeners and siloxanes are provided. The softening component comprises from about 1-20% by weight of the composition. Methods for making the composition are also described. Softening performance is superior to that obtained by using quaternary ammonium compound softeners, alone or with other components absent the siloxane. The softener compositions are primarily intended for use in the rinse cycle of an automatic washing machine.

IPC 1-7

**C11D 3/37**; **C11D 1/62**

IPC 8 full level

**C11D 3/00** (2006.01); **C11D 3/37** (2006.01); **D06M 13/02** (2006.01); **D06M 13/224** (2006.01); **D06M 13/236** (2006.01); **D06M 13/322** (2006.01); **D06M 13/46** (2006.01); **D06M 13/463** (2006.01); **D06M 13/467** (2006.01); **D06M 13/47** (2006.01); **D06M 13/473** (2006.01); **D06M 13/51** (2006.01); **D06M 13/513** (2006.01); **D06M 15/643** (2006.01)

CPC (source: EP)

**C11D 3/0015** (2013.01); **C11D 3/373** (2013.01)

Citation (search report)

- [Y] FR 2318267 A1 19770211 - PROCTER & GAMBLE [US]
- [Y] EP 0169500 A2 19860129 - HENKEL KGAA [DE]
- [AD] FR 2318268 A1 19770211 - PROCTER & GAMBLE EUROP [BE]
- [A] GB 991597 A 19650512 - WALLACE CAMERON & CO LTD

Cited by

US5336419A; US5064543A; US5532023A; US5798107A; US5741765A; GB2318364A; US6008183A; GB2318364B; US6265372B1; US7060666B2; WO9633303A1; WO9524460A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0354856 A2 19900214**; **EP 0354856 A3 19900502**; AU 3941189 A 19900215; AU 616990 B2 19911114; BR 8904038 A 19900320; DK 395589 A 19900213; DK 395589 D0 19890811; GR 1000488 B 19920730; GR 890100506 A 19900822; JP H02154069 A 19900613; MX 170216 B 19930811; MY 105007 A 19940730; NZ 230238 A 19911025; PH 27205 A 19930504; PT 91429 A 19900308; TR 24991 A 19920821

DOCDB simple family (application)

**EP 89402291 A 19890811**; AU 3941189 A 19890808; BR 8904038 A 19890810; DK 395589 A 19890811; GR 890100506 A 19890811; JP 21000089 A 19890814; MX 1716189 A 19890810; MY P119891099 A 19890811; NZ 23023889 A 19890807; PH 39082 A 19890810; PT 9142989 A 19890810; TR 92089 A 19890811