

Title (en)

Liquid softener composition for fabric.

Title (de)

Flüssige Textilweichmacherzusammensetzung.

Title (fr)

Composition adoucissante liquide pour tissu.

Publication

**EP 0443313 A1 19910828 (EN)**

Application

**EP 91100210 A 19910108**

Priority

- JP 1011690 A 19900119
- JP 14350790 A 19900601
- JP 14350890 A 19900601

Abstract (en)

The liquid softener composition is useful for the housework, improved in softening and rinsing and comprises (a) 10 to 30 percent by weight of a neutralized product of an inorganic or organic acid with an ester amine having the formula (I) or (IIV), having an average size of 0.1 to 5 microns in the dispersed state, (b) 0.2 to 10 percent by weight of an inorganic electrolyte and the balance of water. <CHEM> in which R1 and R2 each are a hydrocarbon group having 11 to 23 carbon atoms, straight or branched, saturated or unsaturated, R is a hydrocarbon group having 1 to 24 carbon atoms, straight or branched, saturated or unsaturated, hydroxyethyl, hydroxypropyl, R10 is a hydrocarbon group having 8 to 24 carbon atoms, straight or branched, saturated or unsaturated, and m is 2 or 3.

IPC 1-7

**D06M 13/372; D06M 13/46**

IPC 8 full level

**C11D 1/40** (2006.01); **C11D 3/00** (2006.01); **D06M 13/463** (2006.01); **D06M 13/473** (2006.01)

CPC (source: EP)

**C11D 1/40** (2013.01); **C11D 3/0015** (2013.01); **D06M 13/463** (2013.01); **D06M 13/473** (2013.01); **D06M 2200/50** (2013.01)

Citation (search report)

- [X] EP 0309052 A2 19890329 - PROCTER & GAMBLE [US]
- [X] DE 3904754 A1 19890831 - KAO CORP [JP]
- [Y] DE 2163003 A1 19720907
- [AD] EP 0332270 A2 19890913 - UNILEVER NV [NL], et al

Cited by

US5399272A; EP0510879A3; US6020489A; US5403499A; US5859271A; US6020510A; US5468398A; US5552137A; US5610187A; AU674014B2; US5726144A; AU697454B2; CN1087342C; US5288847A; US6423855B2; US8026206B2; WO9416143A1; WO9738966A3; WO9401523A1; US6369025B1; WO9708285A1

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DOCDB simple family (application)

**EP 91100210 A 19910108**; DE 69101456 T 19910108; ES 91100210 T 19910108; HK 152595 A 19950921; MY PI9100077 A 19910117