

Title (en)  
FABRIC-SOFTENING COMPOSITION

Publication  
**EP 0280550 A3 19890329 (EN)**

Application  
**EP 88301628 A 19880225**

Priority  
GB 8704711 A 19870227

Abstract (en)  
[origin: EP0280550A2] A liquid fabric softening composition containing an aqueous base, not more than 8% of a cationic fabric softening agent, at least 0.2% of a C8-C24 fatty acid and a nonionic surfactant. The mole ratio of the cationic fabric softening agent to the nonionic surfactant is within the range from 40:1 to 1:1. The nonionic surfactant is added to give a composition which is stable to freeze thaw cycling.

IPC 1-7  
**C11D 1/835; C11D 1/04**

IPC 8 full level  
**D06M 13/00** (2006.01); **C11D 1/04** (2006.01); **C11D 1/86** (2006.01); **C11D 3/00** (2006.01); **D06M 13/02** (2006.01); **D06M 13/184** (2006.01); **D06M 13/188** (2006.01); **D06M 13/203** (2006.01); **D06M 13/224** (2006.01); **D06M 13/322** (2006.01); **D06M 13/388** (2006.01); **D06M 13/46** (2006.01); **D06M 13/463** (2006.01); **D06M 13/47** (2006.01); **D06M 13/473** (2006.01); **C11D 1/62** (2006.01); **C11D 1/66** (2006.01); **C11D 1/72** (2006.01); **C11D 1/75** (2006.01)

CPC (source: EP KR)  
**C11D 1/04** (2013.01 - EP); **C11D 1/86** (2013.01 - EP); **C11D 3/0015** (2013.01 - EP); **C11D 10/04** (2013.01 - EP); **D06M 13/46** (2013.01 - KR); **D06M 15/327** (2013.01 - KR); **C11D 1/62** (2013.01 - EP); **C11D 1/662** (2013.01 - EP); **C11D 1/667** (2013.01 - EP); **C11D 1/72** (2013.01 - EP); **C11D 1/74** (2013.01 - EP); **C11D 1/75** (2013.01 - EP)

Citation (search report)

- [X] EP 0013780 A1 19800806 - PROCTER & GAMBLE [US], et al
- [X] EP 0123999 A2 19841107 - HENKEL KGAA [DE]
- [A] DE 2822891 A1 19781207 - PROCTER & GAMBLE EUROP
- [A] EP 0082457 A2 19830629 - HOECHST AG [DE]
- [A] EP 0122141 A2 19841017 - UNILEVER PLC [GB], et al
- [A] FR 2440433 A1 19800530 - UNILEVER NV [NL]

Cited by  
EP1028161A1; EP0354011A1; US5378387A; US5484540A; US5503756A; US5578234A; US5670476A; AU696570B2; US5856287A; US5773409A; US5409621A; WO2012052349A1; US9150822B2; WO2012072368A1; US6221828B1; WO2012072369A1; US10487292B2; WO9219714A1; WO9324603A3; WO2018044639A1; WO0146363A1; EP1290124B2

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**EP 88301628 A 19880225**; AU 1206788 A 19880223; BR 8800833 A 19880226; CA 559492 A 19880222; DE 3860842 T 19880225; ES 88301628 T 19880225; GB 8704711 A 19870227; JP 4406688 A 19880226; KR 880001811 A 19880222; MY PI19880181 A 19880224; TR 15988 A 19880226; ZA 881382 A 19880226