

Title (en)  
Nitrogen-free fabric softener

Title (de)  
Stickstofffreier Weichspüler

Title (fr)  
Composition adoucissante pour tissus sans azote

Publication  
**EP 0893490 A3 20021002 (DE)**

Application  
**EP 98113305 A 19980716**

Priority  
DE 19732073 A 19970725

Abstract (en)  
[origin: EP0893490A2] The characteristic features in a liquid N-free textile softener comprising water, anionic surfactant(s) and fatty materials are that (a) the fatty material is present at 1-20 wt.% and comprises a fatty alcohol or a mono- or di-ester of a fatty acid with sorbitol, trimethylolpropane, neopentylglycol, ethylene glycol, polyethylene glycol, glycerin or polyglycerin; (b) the anionic surfactant is present at 0.2-5 wt.%; (c) the balance contains water or an aqueous solution of other additives; and (d) the softener is not in the form of a micro-emulsion.

IPC 1-7  
**C11D 3/20**; **C11D 1/14**; **C11D 1/83**

IPC 8 full level  
**C11D 1/83** (2006.01); **C11D 3/00** (2006.01); **C11D 3/20** (2006.01); **C11D 1/14** (2006.01); **C11D 1/66** (2006.01)

CPC (source: EP)  
**C11D 1/83** (2013.01); **C11D 3/0015** (2013.01); **C11D 3/2093** (2013.01); **C11D 1/146** (2013.01); **C11D 1/66** (2013.01); **C11D 1/667** (2013.01)

Citation (search report)

- [X] EP 0334463 A1 19890927 - BP CHEM INT LTD [GB]
- [X] WO 9726316 A1 19970724 - UNILEVER PLC [GB], et al
- [X] DE 19527596 A1 19970130 - HENKEL KGAA [DE]
- [DX] US 5599473 A 19970204 - CRUTZEN ANDRE [BE], et al
- [X] EP 0107479 A2 19840502 - UNILEVER PLC [GB], et al
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- [X] WO 9718284 A2 19970522 - AMWAY CORP [US]
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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
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