

Title (en)
Nitrogen-free fabric softener

Title (de)
Stickstofffreier Weichspüler

Title (fr)
Composition adoucissante pour tissus sans azote

Publication
EP 0893490 B1 20050420 (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)

Designated contracting state (EPC)
AT BE ES FR IT NL

DOCDB simple family (publication)
EP 0893490 A2 19990127; **EP 0893490 A3 20021002**; **EP 0893490 B1 20050420**; AT E293668 T1 20050515; DE 19732073 C1 19980820; ES 2241077 T3 20051016

DOCDB simple family (application)
EP 98113305 A 19980716; AT 98113305 T 19980716; DE 19732073 A 19970725; ES 98113305 T 19980716