

Title (en)
Fabric softening

Title (de)
Weichmachen von Gewebe

Title (fr)
Adoucissement de linge

Publication
EP 0417987 B1 19960207 (EN)

Application
EP 90309792 A 19900907

Priority
GB 8920468 A 19890911

Abstract (en)
[origin: EP0417987A2] A fabric softening composition comprising one or more amine softening materials and one or more pH adjusting agents, wherein the pH of an aqueous liquor obtained by diluting said fabric softening composition to a concentration of 200 ppm of the amine materials has a pH which is equal to or below the pKa of the amine materials. Preferably the composition is a liquid satisfying the following condition: $1.5 < \text{pKa} (\text{pH adjuster}) < \text{pKa} (\text{amine})$

IPC 1-7
C11D 1/40; **C11D 1/58**; **C11D 3/20**

IPC 8 full level
D06M 13/02 (2006.01); **C11D 1/40** (2006.01); **C11D 3/00** (2006.01); **C11D 3/20** (2006.01); **D06M 13/184** (2006.01); **D06M 13/192** (2006.01); **D06M 13/322** (2006.01); **D06M 13/325** (2006.01); **D06M 13/328** (2006.01); **D06M 13/402** (2006.01)

CPC (source: EP)
C11D 1/40 (2013.01); **C11D 3/0015** (2013.01); **C11D 3/2082** (2013.01); **C11D 3/2086** (2013.01)

Cited by
US5612372A; EP0474117A1; US5750491A; US5312558A; EP0799887A1; AU2016395426B2; AU2016395426C1; WO9404642A3; WO9504184A1; US10570567B2; US11492760B2; EP3423632B1

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0417987 A2 19910320; **EP 0417987 A3 19910814**; **EP 0417987 B1 19960207**; AU 6223490 A 19910314; AU 635767 B2 19930401; BR 9004440 A 19910910; CA 2024699 A1 19910312; CA 2024699 C 20020108; DE 69025246 D1 19960321; DE 69025246 T2 19960627; ES 2084004 T3 19960501; GB 8920468 D0 19891025; JP 2566177 B2 19961225; JP H03137280 A 19910611; ZA 907142 B 19920527

DOCDB simple family (application)
EP 90309792 A 19900907; AU 6223490 A 19900907; BR 9004440 A 19900906; CA 2024699 A 19900905; DE 69025246 T 19900907; ES 90309792 T 19900907; GB 8920468 A 19890911; JP 24103190 A 19900911; ZA 907142 A 19900907