

Title (en)
LIQUID SOFTENER COMPOSITION

Publication
EP 0335404 A3 19901227 (EN)

Application
EP 89105663 A 19890330

Priority
JP 7922888 A 19880331

Abstract (en)
[origin: EP0335404A2] A liquid softener composition comprising: (A) a slightly water-soluble quaternary ammonium salt type cationic surfactant having 2 or 3 alkyl or alkenyl groups with 14 to 24 carbon atoms in the molecule; (B) a carboxylic acid type anionic polymer; (C) a polyoxyethylene adducted nonionic surfactant; and (D) an aqueous vehicle, wherein the weight ratio of (A)/(C) is within range of from 100/1 to 3/1.

IPC 1-7
C11D 1/835; C11D 3/37

IPC 8 full level
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Citation (search report)
• [X] DE 2459125 A1 19750626 - CIBA GEIGY AG
• [A] US 3537993 A 19701103 - COWARD TODD L, et al
• [A] FR 2407261 A1 19790525 - UNILEVER NV [NL]
• [A] GB 2151252 A 19850717 - SANDOZ LTD

Cited by
US6017860A; EP0425853A3; GB2323391A; CN104762812A; US5356443A; KR101424551B1; US5589157A; EP0590604A3; AU734919B2; US5242607A; US8883706B2; US6254859B1; US8728530B1; US8765114B2; US8883705B2; US10487292B2; WO0125387A1; WO9219714A1; WO2006124338A1; WO9215664A1; WO2004024856A3; US6218346B1; US6793684B1; US7390776B2; US8728454B1; US8933010B2; WO9840452A1; WO2018044639A1; WO2022042277A1; EP0904052B1

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