

Title (en)

Liquid softergent formulations having improved stability and softening properties.

Title (de)

Flüssige Reinigungsmittel mit verbesserten Stabilitäts- und Weichmachereigenschaften.

Title (fr)

Compositions détergentes liquides ayant des propriétés de stabilité et d'adoucissement améliorées.

Publication

EP 0315126 A2 19890510 (EN)

Application

EP 88118188 A 19881102

Priority

US 11727487 A 19871105

Abstract (en)

Liquid softergent compositions having improved softening and stability properties comprising an anionic optical brightener, a higher alkyl dimethyl 2-ethyl hexyl quaternary ammonium compound, a nonionic surfactant and preferably an anionic surfactant in a 1:1 molar ratio with the cationic quaternary compound in an aqueous vehicle; and a method of simultaneously cleaning and softening fabrics without reducing brightener and detergency performance, which comprises treating fabrics with said composition in the wash cycle of the laundering operation.

IPC 1-7

C11D 1/835; **C11D 1/86**; **C11D 3/42**

IPC 8 full level

C11D 1/835 (2006.01); **C11D 1/86** (2006.01); **C11D 3/00** (2006.01); **C11D 3/42** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/62** (2006.01); **C11D 1/66** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)

C11D 1/835 (2013.01); **C11D 1/86** (2013.01); **C11D 3/0015** (2013.01); **C11D 3/42** (2013.01); **C11D 1/14** (2013.01); **C11D 1/22** (2013.01); **C11D 1/29** (2013.01); **C11D 1/62** (2013.01); **C11D 1/662** (2013.01); **C11D 1/72** (2013.01)

Cited by

EP1249488A1; EP0499282A1; US5252257A; WO2014138141A1; WO2012112828A1; US6770617B2; WO2012138423A1; WO2011088089A1; WO0146363A1; WO9420596A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0315126 A2 19890510; **EP 0315126 A3 19900321**; AU 2461788 A 19890511; AU 619502 B2 19920130; CA 1315638 C 19930406; DK 618888 A 19890506; DK 618888 D0 19881104; NZ 226879 A 19910326

DOCDB simple family (application)

EP 88118188 A 19881102; AU 2461788 A 19881102; CA 582264 A 19881104; DK 618888 A 19881104; NZ 22687988 A 19881107