

Title (en)
ADDITIVE FOR WASHING

Publication
EP 0164703 A3 19860402 (DE)

Application
EP 85107057 A 19850607

Priority
DE 3422055 A 19840614

Abstract (en)
[origin: EP0164703A2] 1. A washing additive comprising a mixture of detergent ingredients and, optionally, auxiliaries encapsulated in organic, flexible, film-forming water-soluble polymers, characterized in that the mixture contains a) 2 to 30 parts by weight of a monionic surfactant ; b) 2 to 50 parts by weight of an antigel agent for the nonionic surfactant ; c) 2 to 30 parts by weight of an activator for per compounds ; d) 0.5 to 10 parts by weight of a nitrogen-containing compound from the group consisting of quaternary ammonium compounds containing a long-chain C10-20 alkyl or alkenyl radical and, for the rest, C1-4 alkyl radicals, adducts of 1 to 6 mol ethylene oxide with 1 mol of a primary fatty amine with a long-chain C10-16 alkyl or alkenyl radical, compounds corresponding to the formula R-NH-CH₂-CH₂-COONa, in which R is an alkyl or alkenyl radical containing 10 to 18 carbon atoms and more especially 14 carbon atoms, and the washing additive is readily soluble in cold water and in cold wash liquors.

IPC 1-7
C11D 3/39; **C11D 1/835**; **C11D 17/04**

IPC 8 full level
C11D 1/835 (2006.01); **C11D 3/00** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C11D 17/04** (2006.01); **C11D 1/10** (2006.01); **C11D 1/44** (2006.01); **C11D 1/62** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)
C11D 1/835 (2013.01); **C11D 3/3907** (2013.01); **C11D 3/3935** (2013.01); **C11D 17/044** (2013.01); **C11D 1/10** (2013.01); **C11D 1/44** (2013.01); **C11D 1/62** (2013.01); **C11D 1/72** (2013.01)

Citation (search report)
• [Y] EP 0000226 A1 19790110 - PROCTER & GAMBLE [US]
• [Y] FR 2367114 A1 19780505 - PROCTER & GAMBLE [US]
• [AD] US 4115292 A 19780919 - RICHARDSON DAVID L, et al
• [A] EP 0079712 A1 19830525 - CLOROX CO [US]
• [A] EP 0106634 A1 19840425 - PROCTER & GAMBLE [US]
• [A] EP 0070474 A1 19830126 - HENKEL KGAA [DE]

Cited by
US5800755A; DE20313248U1; EP0244796A1; EP0223175A3; WO03010266A1; WO2006124483A1; WO0226928A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0164703 A2 19851218; **EP 0164703 A3 19860402**; **EP 0164703 B1 19900117**; CA 1242949 A 19881011; DE 3422055 A1 19851219; DE 3575440 D1 19900222; ES 544107 A0 19860116; ES 8604299 A1 19860116; JP S6112796 A 19860121

DOCDB simple family (application)
EP 85107057 A 19850607; CA 483943 A 19850613; DE 3422055 A 19840614; DE 3575440 T 19850607; ES 544107 A 19850613; JP 12908185 A 19850612