

Title (en)
ADDITIVES FOR WASHING AND CLEANING AGENTS

Publication
EP 0192153 B1 19880615 (DE)

Application
EP 86101659 A 19860210

Priority
DE 3504896 A 19850213

Abstract (en)
[origin: US4698174A] Pulverulent and/or granular additives for pulverulent detergents and cleaning agents, consisting of (a) from 80 to 20% by weight of one or more copolymers comprising from 40 to 90% by weight of (meth)acrylic acid and from 60 to 10% by weight of maleic acid and/or one or more copolymers comprising from 10 to 45% by weight of (meth)acrylic acid, from 10 to 45% by weight of maleic acid and from 10 to 60% by weight of one or more hydroxyalkyl (meth)acrylates where hydroxyalkyl is of 2 to 6 carbon atoms, if appropriate in the form of a partially or completely neutralized water-soluble salt, (b) from 20 to 80% by weight of nitrilotriacetic acid or its mono-, di- or trisodium or mono-, di- or tripotassium salt and (c) from 0 to 20% by weight of one or more additives conventionally used for detergent and cleaning agent formulations, the use of these pulverulent and/or granular mixtures as additives for pulverulent and/or granular detergents and cleaning agents, and processes for the preparation of the said additives.

IPC 1-7
C11D 3/37

IPC 8 full level
C11D 3/33 (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP US)
C11D 3/33 (2013.01 - EP US); **C11D 3/3761** (2013.01 - EP US)

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EP 0192153 A1 19860827; **EP 0192153 B1 19880615**; AT E35148 T1 19880715; CA 1248838 A 19890117; DE 3504896 A1 19860814; DE 3660311 D1 19880721; ES 551899 A0 19871116; ES 8800716 A1 19871116; JP S61188497 A 19860822; US 4698174 A 19871006

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