

Title (en)
DETERGENT ADDITIVE

Publication
EP 0327927 A3 19900919 (DE)

Application
EP 89101618 A 19890131

Priority
DE 3803630 A 19880206

Abstract (en)
[origin: EP0327927A2] A detergent additive containing at least partly water-soluble polymer components based on N-vinylpyrrolidone or N-vinylimidazole or N-vinylloxazolidone in combination with water-soluble or water-insoluble cationic compound has a discoloration-inhibiting effect and has a neutral odour even in contact with alkaline detergent components. The insensitivity of an additive of this type to strongly alkaline detergent components can be further increased by including in the additive polymer components with acidic groups or zinc ricinoleates.

IPC 1-7
C11D 3/37

IPC 8 full level
C11D 3/00 (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)
C11D 3/0021 (2013.01); **C11D 3/3776** (2013.01)

Citation (search report)

- [XD] EP 0203486 A2 19861203 - HENKEL KGAA [DE]
- [X] DE 114606 C
- [X] FR 2263298 A1 19751003 - BASF AG [DE]
- [XP] EP 0265257 A2 19880427 - UNILEVER PLC [GB], et al

Cited by
CN110684144A; EP0579295A1; TR28338A; US5633225A; US6121223A; US5776878A; US6133224A; EP0538228A1; US5710119A; CN1039028C; US5451341A; TR26870A; USRE39450E; US5478489A; US5604197A; EP0584736A1; EP0581752A1; CN1040656C; US5710118A; EP0692947A4; EP0587550A1; US5872093A; EP0587549A1; EP0800570A4; TR28340A; US6191098B1; US6306815B1; US6841614B1; EP0779358A2; WO9503382A1; WO9828397A1; WO9402579A1; WO9503388A1; EP1935483A2; EP2545988A2; WO9503387A1; WO9402580A1; WO9533026A1; WO9403567A3; WO9402576A1; WO9402581A1; US6228783B1; EP3210666A1; WO9610621A1; WO9528462A1; WO9413775A1; US7585824B2; US7125835B2; US7196049B2; US6528047B2; EP0668902B2

Designated contracting state (EPC)
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EP 0327927 A2 19890816; EP 0327927 A3 19900919; DE 3803630 A1 19890817; DK 48989 A 19890807; DK 48989 D0 19890202

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