

Title (en)

Particulate detergent compositions comprising surfactant, carbonate, and hydroxamate

Title (de)

Partikelförmige Reinigungsmittelzusammensetzungen mit Tensid, Carbonat und Hydroxamat

Title (fr)

Compositions de détergent particulaires contenant un tensioactif, du carbonate et de l'hydroxamate

Publication

EP 2441823 A1 20120418 (EN)

Application

EP 10187505 A 20101014

Priority

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Abstract (en)

A particulate detergent composition comprising at least 70% by number coated (core and shell) detergent particles comprising 40 to 90 wt% surfactant and 20 to 40 wt% sodium carbonate, the ratio of surfactant to sodium carbonate being at least 1.5:1, characterised in that the coated particles further comprise hydroxamate.

IPC 8 full level

C11D 1/52 (2006.01); **C11D 3/10** (2006.01); **C11D 3/32** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)

C11D 1/523 (2013.01); **C11D 3/10** (2013.01); **C11D 3/32** (2013.01); **C11D 17/0039** (2013.01)

Citation (applicant)

- WO 2010069957 A1 20100624 - UNILEVER PLC [GB], et al
- EP 2010055256 W 20100421
- EP 2010055257 W 20100421
- EP 1187903 A1 20020320 - PROCTER & GAMBLE [US]
- EP 0993505 A1 20000419 - UNILEVER PLC [GB], et al
- EP 0328177 A2 19890816 - UNILEVER NV [NL], et al
- EP 0070074 A2 19830119 - PROCTER & GAMBLE [US]
- WO 9219709 A1 19921112 - PROCTER & GAMBLE [US]
- WO 9219708 A1 19921112 - PROCTER & GAMBLE [US]
- POWDER TECHNOLOGY, vol. 65, 1991, pages 257 - 272
- SCHWARTZ; PERRY: "Surface Active Agents", INTERSCIENCE, 1949
- SCHWARTZ; PERRY; BERCH: "Interscience", vol. 2, 1958, MANUFACTURING CONFECTIONERS COMPANY, article "McCutcheon's Emulsifiers and Detergents"
- H. STACHE: "Tenside Taschenbuch", 1981, CARL HAUSER VERLAG
- POUCHER, JOURNAL OF THE SOCIETY OF COSMETIC CHEMISTS, vol. 6, no. 2, 1955, pages 80

Citation (search report)

- [ID] WO 2010069957 A1 20100624 - UNILEVER PLC [GB], et al
- [A] DE 4313137 A1 19941027 - BASF AG [DE]
- [A] EP 0388389 A2 19900919 - MONSANTO EUROPE SA [BE]

Cited by

EP2963102A3; WO2013092448A3; EP2963102A2; DE102014212622A1

Designated contracting state (EPC)

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