

Title (en)
SOFTENING WASTING AGENT

Publication
EP 0160873 A3 19900110 (DE)

Application
EP 85104833 A 19850420

Priority
DE 3416669 A 19840505

Abstract (en)
[origin: CA1228205A] TEXTILE SOFTENING DETERGENT COMPOSITION A textile softening detergent composition contains from 5 to 70 wgt % surfactant, from 0.5 to 50 wgt% builder, from 1 to 20 wgt % crystalline laminated silicic acid and/ or a corresponding alkali metal silicate and standard detergent aids. It is characterized in that the crystalline laminated silicic acid or its alkali metal salt of the general formula $M_2Si_xO_{2x+1} \cdot yH_2O$ in which x stands for a number larger than 7.0, M stands for sodium, potassium or hydrogen, and y stands for a number of from 0 to 25, shows one or more reflexes unassignable to quartz, tridymite and cristobalite in the X-ray diffraction diagram in the range of the d-values of 3.0 - 4.0 . 10-8cm. Process for rinsing textiles using the crystalline laminated silicic acid or its alkali metal salts as a textile softening agent.

IPC 1-7
C11D 3/00

IPC 8 full level
C11D 3/00 (2006.01); **C11D 3/12** (2006.01)

CPC (source: EP US)
C11D 3/124 (2013.01 - EP US); **C11D 3/1273** (2013.01 - EP US)

Citation (search report)
• [XP] DD 220325 A1 19850327 - BITTERFELD CHEMIE [DD]
• [AD] DE 2334899 C2 19831222
• [E] DD 161180 A3 19850502 - UNIV HALLE WITTENBERG [DD]

Cited by
EP0640683A3; EP0264615A1; EP0653480A1

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BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0160873 A2 19851113; EP 0160873 A3 19900110; EP 0160873 B1 19910626; CA 1228205 A 19871020; DE 3416669 A1 19851107; DE 3583306 D1 19910801; DK 166288 B 19930329; DK 166288 C 19930823; DK 199685 A 19851106; DK 199685 D0 19850502; JP H0633407 B2 19940502; JP S60240799 A 19851129; US 4728443 A 19880301

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EP 85104833 A 19850420; CA 479325 A 19850417; DE 3416669 A 19840505; DE 3583306 T 19850420; DK 199685 A 19850502; JP 9570485 A 19850507; US 72537685 A 19850422