

Title (en)
DETERGENT BUILDER

Publication
EP 0195127 B1 19900523 (DE)

Application
EP 85115964 A 19851213

Priority
DE 3504450 A 19850209

Abstract (en)
[origin: US4683073A] There is prepared a granulated washing agent builder consisting of 70 to 80 wt. % of a water insoluble silicate capable of binding calcium, the silicate being in the form of a finely divided, bound water containing, synthetically produced crystalline compound of the general formula $(\text{Kat}_2/\text{nO})_x.\text{Me}_2\text{O}_3.(\text{SiO}_2)_y$ (I), in that Kat is a cation exchangeable with calcium and having the valence n, x is a number from 0.7 to 1.5, Me is boron or aluminum and y is a number from 0.8 to 6, 4 to 5 Wt.-% sodium sulfate 2 to 3 Wt.-% nonionic tenside 0 to 1 Wt.-% alkali 0.5 to 1 Wt.-% carboxymethylcellulose, methylcellulose or a mixture thereof balance Water.

IPC 1-7
C11D 3/12; C11D 3/22

IPC 8 full level
C11D 3/08 (2006.01); **C11D 3/12** (2006.01); **C11D 3/22** (2006.01)

CPC (source: EP KR US)
C11D 3/08 (2013.01 - KR); **C11D 3/128** (2013.01 - EP US); **C11D 3/225** (2013.01 - EP US)

Cited by
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US 4683073 A 19870728; AT E53064 T1 19900615; AU 5218286 A 19860814; AU 571766 B2 19880421; DE 3504450 A1 19860814; DE 3577877 D1 19900628; EP 0195127 A2 19860924; EP 0195127 A3 19870930; EP 0195127 B1 19900523; ES 551729 A0 19870101; ES 8702483 A1 19870101; FI 860555 A0 19860207; FI 860555 A 19860810; JP H0357160 B2 19910830; JP S61183397 A 19860816; KR 860006537 A 19860911; KR 900000879 B1 19900217; NO 163017 B 19891211; NO 163017 C 19900321; NO 860049 L 19860811; PH 23310 A 19890630; PT 81979 A 19860301; PT 81979 B 19871230; YU 44539 B 19900831; YU 5386 A 19880430

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