

Title (en)
AQUEOUS STABLE SUSPENSIONS OF WATER-INSOLUBLE SILICATES, CAPABLE OF BINDING CALCIUM IONS, AND THEIR USE FOR THE PRODUCTION OF WASHING AND CLEANING AGENTS

Publication
EP 0183945 B1 19910102 (DE)

Application
EP 85112884 A 19851011

Priority
DE 3444311 A 19841205

Abstract (en)
[origin: ES8701685A1] There is prepared an aqueous stable suspension of a water insoluble silicate capable of binding calcium ions and it is used for the production of washing and cleaning agents. The suspension contains in addition to water components A and B wherein component A is a silicate capable of binding calcium and having the formula $(\text{Cat}_2/\text{nO})_x\text{-Me}_2\text{O}_3\text{x}(\text{SiO}_2)_y$ I and component B is a dispersing agent comprising a mixture of at least two fatty alcohols polyglycol ether based on isotridecyl alcohol or another aliphatic C13 alcohol and ethylene oxide having the following properties: (a) Fatty alcohol polyglycol ether having 4.5 to 5.5 EO units -Turbidity point DIN 53917 56 to 60 DEG C. -Solidification point +4 to -25 DEG C. -Viscosity at 50 DEG C. 13 to 28 m Pas -Density at 50 DEG C. 0.94 to 0.96 g/ml - (b) Fatty alcohol polyglycol ether having 6 to 8 EO units -Turbidity point DIN 53917 66 to 74 DEG C. -Solidification point +12 to -16 DEG C. -Viscosity at 50 DEG C. 18 to 28 m Pas -Density at 50 DEG C. 0.96 to 0.98 g/ml -

IPC 1-7
C11D 3/12

IPC 8 full level
B01F 17/42 (2006.01); **C01B 39/00** (2006.01); **C01B 39/12** (2006.01); **C01B 39/14** (2006.01); **C09K 23/42** (2022.01); **C11D 1/72** (2006.01); **C11D 3/12** (2006.01)

CPC (source: EP KR US)
C11D 3/12 (2013.01 - KR); **C11D 3/1286** (2013.01 - EP US)

Cited by
EP0294574A3; EP0504564A1; TR26395A; EP0522365A1; EP0294694A3

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0183945 A2 19860611; EP 0183945 A3 19880330; EP 0183945 B1 19910102; AT E59673 T1 19910115; BR 8506078 A 19860819; CN 1004358 B 19890531; CN 85108614 A 19870218; DE 3444311 A1 19860605; DE 3581066 D1 19910207; ES 549563 A0 19861201; ES 8701685 A1 19861201; FI 77890 B 19890131; FI 77890 C 19890510; FI 854767 A0 19851202; FI 854767 A 19860606; JP H0349320 B2 19910729; JP S61138698 A 19860626; KR 860005006 A 19860716; KR 900000881 B1 19900217; NO 163865 B 19900423; NO 163865 C 19900801; NO 854521 L 19860606; SU 1454256 A3 19890123; US 4671887 A 19870609; YU 178885 A 19880229; YU 44272 B 19900430; ZA 858544 B 19860625

DOCDB simple family (application)
EP 85112884 A 19851011; AT 85112884 T 19851011; BR 8506078 A 19851204; CN 85108614 A 19851128; DE 3444311 A 19841205; DE 3581066 T 19851011; ES 549563 A 19851204; FI 854767 A 19851202; JP 27265985 A 19851205; KR 850009095 A 19851204; NO 854521 A 19851112; SU 3986090 A 19851202; US 80414085 A 19851203; YU 178885 A 19851115; ZA 858544 A 19851106