

Title (en)

Alkali metal silicate/ nonionic surfactant compound

Title (de)

Alkalimetallsilicat/Niotensid-Compound

Title (fr)

Composé de silicate de métal alcalin / tensioactif nonionique

Publication

EP 0936267 A3 19991027 (DE)

Application

EP 99101997 A 19990201

Priority

DE 19805025 A 19980209

Abstract (en)

[origin: EP0936267A2] Production of a powdery mixture containing an alkali metal silicate with mole ratio SiO₂:M₂O of 1.8-4. M = Na and/or K and a nonionic surfactant. Production of a powdery mixture containing an alkali metal silicate with mole ratio SiO₂:M₂O of 1.8-4.0. M = Na and/or K and a nonionic surfactant by: (i) drying an aqueous solution of the silicate; (ii) pulverizing the solid product if necessary and isolating the fraction of size 0.2 - 0.6 mm; and (iii) contacting this fraction with the nonionic surfactant such that the wt. ratio nonionic surfactant:solid product in step (i) is above 0.5.

IPC 1-7

C11D 3/08; **C11D 1/66**; **C11D 11/00**

IPC 8 full level

C11D 3/08 (2006.01); **C11D 11/00** (2006.01); **C11D 11/02** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)

C11D 3/08 (2013.01); **C11D 11/0088** (2013.01); **C11D 11/02** (2013.01); **C11D 17/06** (2013.01)

Citation (search report)

- [AX] GB 1467547 A 19770316 - SIFRANCE
- [AX] US 3838072 A 19740924 - SMITH F, et al
- [AX] US 4310431 A 19820112 - JOSHI DAVID P
- [A] DATABASE WPI Section Ch Week 8011, Derwent World Patents Index; Class A97, AN 80-18963C, XP002113877

Cited by

WO0067703A3; EP1133548B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19805025 A1 19990812; EP 0936267 A2 19990818; EP 0936267 A3 19991027

DOCDB simple family (application)

DE 19805025 A 19980209; EP 99101997 A 19990201