

Title (en)
AMORPHOUS ALKALINE SILICATE COMPOUND

Title (de)
AMORPHES ALKALISILIKAT-COMPOUND

Title (fr)
COMPOSE SILICATE ALCALIN AMORPHE

Publication
EP 0804529 A1 19971105 (DE)

Application
EP 96900573 A 19960109

Priority
• DE 19501269 A 19950118
• EP 9600063 W 19960109

Abstract (en)
[origin: US2002002130A1] A spray-dried amorphous alkali metal silicate compound which provides multiple-cycle washing performance. The silicate compound has a molar ratio of M₂O to SiO₂ of 1:1.5 to 1:3.3 wherein M represents an alkali metal. The compound contains 0.5 to less than 30% by weight of anionic surfactant and has an absorption capacity for liquid components which is at least 20% higher than that of the same quantity of the alkali metal silicate compound which is free from anionic surfactant.

IPC 1-7
C11D 3/08; **C11D 11/02**; **C11D 17/06**; **C11D 17/00**

IPC 8 full level
C11D 1/37 (2006.01); **C11D 1/02** (2006.01); **C11D 1/38** (2006.01); **C11D 3/08** (2006.01); **C11D 11/00** (2006.01); **C11D 11/02** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP KR US)
C11D 3/08 (2013.01 - EP KR US); **C11D 11/00** (2013.01 - EP US); **C11D 11/02** (2013.01 - EP US)

Citation (search report)
See references of WO 9622349A1

Designated contracting state (EPC)
AT BE DE ES FR GB IT NL PT SE

DOCDB simple family (publication)
US 2002002130 A1 20020103; **US 6458755 B2 20021001**; AT E190645 T1 20000415; CN 1168154 A 19971217; CZ 226797 A3 19980318; DE 19501269 A1 19960725; DE 59604687 D1 20000420; EP 0804529 A1 19971105; EP 0804529 B1 20000315; ES 2144721 T3 20000616; HU P9702001 A2 19980302; HU P9702001 A3 19990301; JP H10512321 A 19981124; KR 19980701494 A 19980515; PL 324033 A1 19980511; PT 804529 E 20000929; RU 2168542 C2 20010610; SK 96297 A3 19980114; US 6191096 B1 20010220; WO 9622349 A1 19960725

DOCDB simple family (application)
US 73405200 A 20001211; AT 96900573 T 19960109; CN 96191455 A 19960109; CZ 226797 A 19960109; DE 19501269 A 19950118; DE 59604687 T 19960109; EP 9600063 W 19960109; EP 96900573 A 19960109; ES 96900573 T 19960109; HU P9702001 A 19960109; JP 52201096 A 19960109; KR 19970704885 A 19970718; PL 32403396 A 19960109; PT 96900573 T 19960109; RU 97113710 A 19960109; SK 96297 A 19960109; US 87523297 A 19970818