

Title (en)
PROCESS FOR PREPARATION OF A SYSTEM CONTAINING A NON-IONIC SURFACTANT AND AN ALKALI METAL SILICATE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES SYSTEMS ENTHALTEND EIN NICHTIONISCHES TENSID UND EIN ALKALIMETALLSILIKAT

Title (fr)
PROCEDE DE PREPARATION D'UN SYSTEME A BASE D'UN AGENT TENSIOACTIF NON-IONIQUE ET D'UN SILICATE DE METAL ALCALIN

Publication
EP 1019474 B1 20040331 (FR)

Application
EP 97901676 A 19970127

Priority

- FR 9700152 W 19970127
- FR 9601124 A 19960131
- FR 9611092 A 19960911

Abstract (en)
[origin: WO9728240A1] A system in the form of an aqueous dispersion or granules containing at least one liquid, waxy or pasty non-ionic surfactant and an alkali metal silicate, and prepared using a concentrated aqueous alkali metal silicate solution as the continuous liquid phase optionally containing glycerol, in which is dispersed at least one liquid, pasty or waxy non-ionic surfactant (NIA) that is non-miscible or poorly miscible with said concentrated aqueous alkali metal silicate solution, by means of at least one non-ionic or anionic surfactant (TAS) that is compatible with said concentrated alkali metal silicate solution and capable of causing the dispersion of said liquid, pasty or waxy non-ionic surfactant(s) (NIA) in said concentrated alkali metal silicate solution, whereafter the resulting dispersion is optionally dried to produce a rigid alkali metal silicate shell encapsulating droplets or particles of the liquid, pasty or waxy non-ionic surfactant(s) (NIA). The system may optionally further contain at least one other detergent builder and may be used as a component of a detergent composition, particularly for use in washing machines, or as the detergent composition itself.

IPC 1-7
C11D 3/08; C11D 1/66; C11D 11/00; C11D 17/00

IPC 8 full level
C11D 1/66 (2006.01); **C11D 1/83** (2006.01); **C11D 3/08** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01); **C11D 1/06** (2006.01); **C11D 1/44** (2006.01); **C11D 1/52** (2006.01); **C11D 1/72** (2006.01); **C11D 1/722** (2006.01); **C11D 1/74** (2006.01)

CPC (source: EP US)
C11D 1/83 (2013.01 - EP US); **C11D 3/08** (2013.01 - EP US); **C11D 1/06** (2013.01 - EP US); **C11D 1/44** (2013.01 - EP US); **C11D 1/526** (2013.01 - EP US); **C11D 1/66** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 1/722** (2013.01 - EP US); **C11D 1/74** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
WO 9728240 A1 19970807; AT E263228 T1 20040415; AU 1549597 A 19970822; DE 69728448 D1 20040506; EP 1019474 A1 20000719; EP 1019474 B1 20040331; FR 2744132 A1 19970801; FR 2744132 B1 19980424; JP 3179502 B2 20010625; JP H11506802 A 19990615; US 6291420 B1 20010918

DOCDB simple family (application)
FR 9700152 W 19970127; AT 97901676 T 19970127; AU 1549597 A 19970127; DE 69728448 T 19970127; EP 97901676 A 19970127; FR 9611092 A 19960911; JP 52734897 A 19970127; US 11747598 A 19980921