

Title (en)

PROCESS FOR THE PRODUCTION OF RAW MATERIAL COMPOUNDS WITH A HIGH BULK DENSITY

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ROHSTOFF-COMPOUNDS MIT HOHEM SCHÜTTGEWICHT

Title (fr)

PROCEDE DE PRODUCTION DE MELANGES DE MATIERES PREMIERES DE MASSE VOLUMIQUE APPARENTE ELEVÉE

Publication

**EP 1036158 B1 20070307 (DE)**

Application

**EP 98963490 A 19981120**

Priority

- DE 19753310 A 19971202
- EP 9807497 W 19981120

Abstract (en)

[origin: WO9928433A1] The aim of the invention is to provide coarse-grained raw materials which are suitable for use in coarse-grained detergents and which not only disintegrate into smaller particles but also dissolve quickly when they are redissolved in the aqueous liquor. The invention proposes raw material compounds with a bulk density of at least 600 g/l, the compound containing at least 50 wt. % of an individual raw material or a category of raw materials, said individual raw material or members of said category of raw materials being solid at room temperature and at a pressure of 1 bar and having a melting point or softening point not below 45 DEG C; and at least one non-aqueous binder. Said binder (s) should not be (an) anion tenside(s) and should either be solid at a pressure of 1 bar and at temperatures below 45 DEG C but in melt form in the processing conditions or be in the form of a polymer swollen in non-aqueous solution at a pressure of 1 bar and at room temperature.

IPC 8 full level

**C11D 17/06** (2006.01); **C11D 1/72** (2006.01); **C11D 3/20** (2006.01); **C11D 3/37** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP)

**C11D 1/72** (2013.01); **C11D 3/2093** (2013.01); **C11D 3/3707** (2013.01); **C11D 11/0082** (2013.01); **C11D 17/065** (2013.01)

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL

DOCDB simple family (publication)

**WO 9928433 A1 19990610**; AT E356194 T1 20070315; DE 19753310 A1 19990610; DE 59813941 D1 20070419; EP 1036158 A1 20000920; EP 1036158 B1 20070307; ES 2283083 T3 20071016; JP 2001525454 A 20011211

DOCDB simple family (application)

**EP 9807497 W 19981120**; AT 98963490 T 19981120; DE 19753310 A 19971202; DE 59813941 T 19981120; EP 98963490 A 19981120; ES 98963490 T 19981120; JP 2000523312 A 19981120