

Title (en)

METHOD FOR THE PRODUCTION OF PARTICULATE WASHING OR CLEANING AGENTS

Title (de)

VERFAHREN ZUR HERSTELLUNG TEILCHENFÖRMIGER WASCH- ODER REINIGUNGSMITTEL

Title (fr)

PROCEDE POUR LA PRODUCTION DE DETERGENTS OU DE NETTOYANTS PARTICULAIRES

Publication

EP 1232239 B1 20060201 (DE)

Application

EP 00979590 A 20001117

Priority

- DE 19957036 A 19991126
- EP 0011425 W 20001117

Abstract (en)

[origin: WO0138477A1] A method for the production of particulate washing or cleaning agents, or the pre-cursors suitable for production thereof, is disclosed, whereby a free-flowing acid component is coated on a particle, at least proportionally comprising an alkaline washing or cleaning agent containing material. The proportion of coated acid component is dependent on the radius according to the formula $mc/(mc+mp) = c.1/r$, in which mc = the mass of acid component, mp = the mass of the particle, r = the radius of the particle and c = a factor of from 0,5 length units to 20 length units.

IPC 8 full level

C11D 17/00 (2006.01); **C11D 17/06** (2006.01); **C11D 1/04** (2006.01); **C11D 1/14** (2006.01); **C11D 3/06** (2006.01); **C11D 3/08** (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP US)

C11D 3/2075 (2013.01 - EP US); **C11D 3/3942** (2013.01 - EP US); **C11D 17/0039** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 0138477 A1 20010531; AU 1702501 A 20010604; CA 2326940 A1 20010526; DE 19957036 A1 20010531; DE 50012170 D1 20060413; EP 1232239 A1 20020821; EP 1232239 B1 20060201; ES 2255518 T3 20060701; JP 2003514982 A 20030422; JP 5036113 B2 20120926; US 7064099 B1 20060620

DOCDB simple family (application)

EP 0011425 W 20001117; AU 1702501 A 20001117; CA 2326940 A 20001127; DE 19957036 A 19991126; DE 50012170 T 20001117; EP 00979590 A 20001117; ES 00979590 T 20001117; JP 2001540232 A 20001117; US 71894300 A 20001122