

Title (en)

ADDITIVE GRANULES FOR MOULDED BODIES HAVING A DETERGENT AND CLEANING ACTION

Title (de)

HILFSMITTELGRANULAT FÜR WASCH- UND REINIGUNGSAKTIVE FORMKÖRPER

Title (fr)

GRANULES ADJUVANTS POUR CORPS MOULES DETERGENTS ET LAVANTS

Publication

EP 1007616 B1 20040721 (DE)

Application

EP 98928312 A 19980522

Priority

- CA 2290014 A 19991117
- DE 19723028 A 19970603
- EP 9803042 W 19980522

Abstract (en)

[origin: WO9855575A1] The invention relates to moulded bodies having a detergent and cleaning action, especially tablets such as those consisting of detergent, dishwashing product, stain remover or water-softener. Thanks to the use of the additive granules provided for by the invention, the disintegration rate of said tablets conforms to the requirements for use in domestic washing machines. Said additive granules contain 10 to 95 weight percent cellulose having a particle size of less than 100 μm as well as 5 to 90 weight percent microcrystalline cellulose and/or one or several ingredients of detergents and cleaning agents. They are superior to known cellulose-based disintegrating additives in terms of their physical and washing properties.

IPC 1-7

C11D 3/22; C11D 17/00

IPC 8 full level

C11D 3/22 (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)

C11D 3/222 (2013.01); **C11D 17/0073** (2013.01); **C11D 17/06** (2013.01)

Citation (examination)

US 4106991 A 19780815 - MARKUSSEN ERIK KJAER, et al

Cited by

WO2004099357A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL

DOCDB simple family (publication)

WO 9855575 A1 19981210; AT E271596 T1 20040815; CA 2290014 A1 20010517; CN 1259163 A 20000705; DE 19723028 A1 19981210; DE 29724283 U1 20001005; DE 59811697 D1 20040826; EP 1007616 A1 20000614; EP 1007616 B1 20040721; ES 2226143 T3 20050316; HU P0003067 A2 20010129; JP 2002502456 A 20020122; PL 337040 A1 20000731; SK 164499 A3 20000711

DOCDB simple family (application)

EP 9803042 W 19980522; AT 98928312 T 19980522; CA 2290014 A 19991117; CN 98805695 A 19980522; DE 19723028 A 19970603; DE 29724283 U 19970603; DE 59811697 T 19980522; EP 98928312 A 19980522; ES 98928312 T 19980522; HU P0003067 A 19980522; JP 50141299 A 19980522; PL 33704098 A 19980522; SK 164499 A 19980522