

Title (en)

Hollow bodies with compartments comprising a portion of washing, cleaning or rinsing agent

Title (de)

Kompartiment-Hohlkörper enthaltend Wasch-, Reinigungs- oder Spülmittelportion

Title (fr)

Corps creux compartimentés comprenant une dose d' un produit de lavage, de mnettoyage ou de rincage

Publication

EP 1586631 A2 20051019 (DE)

Application

EP 05014861 A 20010704

Priority

- EP 01967120 A 20010704
- DE 10033827 A 20000714
- DE 10048448 A 20000929
- DE 10058647 A 20001125
- DE 10107878 A 20010220

Abstract (en)

Portions (A) of laundry, dish-washing or other detergent in dimensionally-stable hollow molding(s) with at least one compartment comprise: (a) at least one detergent formulation (I); (b) that is (partly) surrounded by an uncompressed material (II) that gives the molding dimensional stability and can disintegrate; and (c) optionally partition(s) dividing the molding(s) into compartments. Independent claims are also included for: (a) portions (B) of laundry and other detergents in the form of hollow moldings sub-divided into not less than 2 (partly) filled compartments surrounded by (I); (b) portions (C) of laundry and other detergents (partly) comprising solidified material; (c) methods of producing portions of detergents in hollow moldings with compartment(s); and (d) a method of producing hollow moldings.

Abstract (de)

Die Erfindung betrifft eine in einem formstabilen Hohlkörper mit mehreren Kammern enthaltene Waschmittel-, Reinigungsmittel- oder Spülmittel-Portion, umfassend wenigstens eine flüssige oder gelförmige waschaktive, reinigungsaktive oder spülaktive Zubereitung sowie mindestens eine feste waschaktive, reinigungsaktive oder spülaktive Zubereitung; wenigstens eine die wenigstens eine Zubereitung nach (a) ganz oder teilweise umgebende Umfassung aus einem unter Wasch-, Reinigungs- oder Spülbedingungen desintegrierbaren, dem/den Hohlkörper(n) Formstabilität verleihenden, spritzgegossenen Material; und ein oder mehrere Wände zur Abgrenzung der Kammern voneinander.

IPC 1-7

C11D 17/04

IPC 8 full level

A47L 15/44 (2006.01); **B08B 3/08** (2006.01); **B65D 65/46** (2006.01); **B65D 77/08** (2006.01); **C11D 3/60** (2006.01); **C11D 17/00** (2006.01); **C11D 17/04** (2006.01); **D06F 39/02** (2006.01)

CPC (source: EP US)

C11D 17/042 (2013.01 - EP US); **C11D 17/043** (2013.01 - EP US); **C11D 17/045** (2013.01 - EP US)

Cited by

EP1857105A3; WO2007107479A1; US8071613B2; US8114890B1; US8748454B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0206431 A2 20020124; WO 0206431 A3 20020530; AT E308606 T1 20051115; AT E350462 T1 20070115; AU 8758001 A 20020130; DE 50107923 D1 20051208; DE 50111830 D1 20070215; EP 1305396 A2 20030502; EP 1305396 B1 20051102; EP 1586631 A2 20051019; EP 1586631 A3 20051026; EP 1586631 B1 20070103; ES 2252286 T3 20060516; ES 2279467 T3 20070816; JP 2004504443 A 20040212; US 2004029764 A1 20040212; US 2008312123 A1 20081218; US 7417019 B2 20080826; US 7601679 B2 20091013

DOCDB simple family (application)

EP 0107633 W 20010704; AT 01967120 T 20010704; AT 05014861 T 20010704; AU 8758001 A 20010704; DE 50107923 T 20010704; DE 50111830 T 20010704; EP 01967120 A 20010704; EP 05014861 A 20010704; ES 01967120 T 20010704; ES 05014861 T 20010704; JP 2002512325 A 20010704; US 18509808 A 20080803; US 33306703 A 20030716