

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 B1 20070103 (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)

[origin: WO0206431A2] The invention relates to a portion of a detergent which is contained in one or more dimensionally stable hollow bodies with at least one compartment. Said portion comprises the following: (a) at least one formulation with a detergent action; (b) at least one envelope entirely or partially encompassing at least one formulation according to (a), consisting of a non-pressed material which disintegrates in washing'cleaning or rinsing conditions and which gives the hollow body(ies) dimensional stability; and (c) optionally, one or more devices for forming compartments in the dimensionally stable hollow body(ies). The invention also relates to a method for producing a detergent portion of this kind, according to which the envelope is preferably produced by injection molding or solidifying; and to washing'cleaning and rinsing methods using an inventive detergent portion.

IPC 8 full level

**A47L 15/44** (2006.01); **C11D 17/04** (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); **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