

Title (en)

Shaped detergent bodies with a polyurethane coating

Title (de)

Wasch- und Reinigungsmittelformkörper mit Polyurethan-Beschichtung

Title (fr)

Pièces détergentes avec un revêtement de polyuréthane

Publication

**EP 1188820 B1 20040512 (DE)**

Application

**EP 01121218 A 20010905**

Priority

DE 10045267 A 20000913

Abstract (en)

[origin: EP1188820A1] Detergent tablets with a polyurethane coating based on di-isocyanates and diols which consist at least partly of polyethylene glycols and/or polypropylene glycols with 5-20000 alkylene oxide units. Washing or cleaning (detergent) tablets comprising compressed detergent particles containing builders and optionally other components are provided with a coating containing polyurethanes derived from diisocyanates of formula (I) and diols of formula (II) which consist at least partly of polyethylene glycols (IIa) and/or polypropylene glycols (IIb). R<1>, R<2> = optionally substituted, linear or branched 1-24C alkyl(ene), aryl(ene) or alkylaryl(ene); and n = 5-2000. An Independent claim is also included for a method for the production of these tablets by compressing particles of a detergent composition and then coating the tablets by immersion in or spraying with a melt, solution or dispersion of polyurethane(s) as described above.

IPC 1-7

**C11D 17/00**; **C11D 3/37**; **C11D 11/00**

IPC 8 full level

**C11D 3/37** (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

**C11D 3/3726** (2013.01); **C11D 17/0082** (2013.01)

Cited by

US8110536B2; WO03097785A1; WO2004039935A1; WO02090475A3; WO2007115979A1; WO2013059165A1

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)

**EP 1188820 A1 20020320**; **EP 1188820 B1 20040512**; AT E266718 T1 20040515; DE 10045267 A1 20020328; DE 10045267 B4 20060413; DE 50102248 D1 20040617

DOCDB simple family (application)

**EP 01121218 A 20010905**; AT 01121218 T 20010905; DE 10045267 A 20000913; DE 50102248 T 20010905