

Title (en)

Hygiene device with improved consumption for sanitary appliances

Title (de)

Hygienevorrichtung mit verbessertem Verbrauch für Sanitäreinrichtungen

Title (fr)

Dispositif d'hygiène avec consommation améliorée pour appareils sanitaires

Publication

**EP 2540918 A1 20130102 (EN)**

Application

**EP 12174344 A 20120629**

Priority

- IT MI20111232 A 20110701
- IT MI20111720 A 20110923

Abstract (en)

A hygiene device with improved consumption for sanitary appliances (10, 10') comprises a detergent and/or deodorant means in the form of a solid block (20) and engagement means (30) to a perimetric rim of a WC (100), wherein the engagement means (30) comprise an engagement portion to the WC (31) and an engagement portion (33, 34, 35) to said solid block (20), and wherein the solid block (20) comprises at least a flat rear surface (21) for engagement with the engagement means (30), wherein the engagement portion with the solid block (20) comprises a flat perforated plate (35), having at least three pegs (36) perpendicular to it and facing the opposite side with respect to the wall of the WC for the pressure positioning of the solid block (20), wherein the flat perforated plate (35) has a dimension smaller than or at the most equal to the flat rear surface (21) of the solid block (20).

IPC 8 full level

**E03D 9/02** (2006.01); **E03D 9/03** (2006.01)

CPC (source: EP)

**E03D 9/022** (2013.01); **E03D 9/032** (2013.01); **E03D 2009/024** (2013.01)

Citation (applicant)

- WO 2007107750 A1 20070927 - RECKITT BENCKISER INC [US], et al
- EP 2270286 A1 20110105 - RE LE VI SPA [IT]

Citation (search report)

- [ID] WO 2007107750 A1 20070927 - RECKITT BENCKISER INC [US], et al
- [Y] GB 2416785 A 20060208 - RECKITT BENCKISER INC [US]
- [Y] AT 293965 B 19711110 - GADE CHEM FAB KURT
- [A] WO 2009034304 A1 20090319 - RECKITT BENCKISER INC [US], et al
- [A] US 4096593 A 19780627 - VLAHAKIS EFTICHIOS VAN
- [A] US 2011138526 A1 20110616 - HSU JIN-YANG [TW]
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2540918 A1 20130102**; **EP 2540918 B1 20180221**; CY 1120563 T1 20190710; ES 2668918 T3 20180523; HR P20180766 T1 20180629; LT 2540918 T 20180611; PL 2540918 T3 20180831; PT 2540918 T 20180521; RS 57212 B1 20180731; SI 2540918 T1 20180731

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**EP 12174344 A 20120629**; CY 181100496 T 20180515; ES 12174344 T 20120629; HR P20180766 T 20180516; LT 12174344 T 20120629; PL 12174344 T 20120629; PT 12174344 T 20120629; RS P20180520 A 20120629; SI 201231294 T 20120629