

Title (en)

Dispenser of active substances for WC bowls

Title (de)

Spender für Wirksubstanzen für WC-Schüsseln

Title (fr)

Distributeur des substances actives pour cuvettes de WC

Publication

**EP 2270286 A1 20110105 (EN)**

Application

**EP 10167413 A 20100625**

Priority

IT RE20090069 A 20090630

Abstract (en)

A dispenser of active substances for WC bowls, comprising: suspension means (10) for suspending the dispenser from a rim (51) of the WC bowl; a solid block (30) comprising at least an active substance, in a position which is subject to action of flush water, having an opening (31) which crosses a body of the solid block (30), which opening passes from a surface (33) thereof to another surface (34) thereof; a support element (20), comprising a cross-member (25) passing through the through-opening (31) of the solid block (30), and destined to support the solid block (30). The support element (20) comprises two arms (22, 24) connected to the two ends of the cross-member (25), which two arms (22, 24) exhibit, at the connection with the cross-member (25), respective flat portions (22a, 24a), adjacent to the surfaces (33, 34) of the solid block (30), having such dimensions as to completely cover mouths that the opening (31) forms on the surfaces (33, 34). Though requiring only a very limited amount of plastic, the dispenser enables the solid block to be consumed homogeneously up until a whole body thereof is washed away.

IPC 8 full level

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

CPC (source: EP)

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

Citation (applicant)

- US 3675254 A 19720711 - BROWNSTEIN HENRY J
- GB 813392 A 19590513 - NEW HYGIENE LTD, et al

Citation (search report)

- [AD] US 3675254 A 19720711 - BROWNSTEIN HENRY J
- [AD] GB 813392 A 19590513 - NEW HYGIENE LTD, et al
- [A] WO 2009037431 A1 20090326 - RECKITT BENCKISER INC [US], et al
- [A] US 4096593 A 19780627 - VLAHAKIS EFTICHIOS VAN

Cited by

WO2013072088A1; DE102011055412A1; ITMI20111720A1; FR2977264A1; EP2407601A3; EP2540918A1; EP2803775A1

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

**EP 2270286 A1 20110105**; IT RE20090069 A1 20110101; SM 201000075 A 20120503; SM 201000075 B 20130506

DOCDB simple family (application)

**EP 10167413 A 20100625**; IT RE20090069 A 20090630; SM 201000075 A 20100609