

Title (en)
Liquid active substance dispenser for W.C. bowl

Title (de)
Spender für die Abgabe einer Wirksubstanz in eine Toilettenschüssel

Title (fr)
Distributeur de substance active liquide pour cuvette de toilettes

Publication
EP 1391564 A1 20040225 (EN)

Application
EP 03077192 A 20030711

Priority
IT RE20020064 A 20020801

Abstract (en)
The dispenser comprises a bottle (11) containing in its interior active substance (R) in the liquid state and having an exit mouth (12), and a support means (20) for supporting said bottle (11) in an inverted position, with its mouth (12) facing downwards, in a position subjected to the action of the flushing water flow. According to the invention, the support means (20) comprises: a closed transition chamber (30) positioned below the exit mouth (12) to contain and retain, for at least part of its volume, the active substance and, for closing the mouth (12), a member (21) which connects the mouth to the transition chamber (30) via a sized hole through which the active substance descends, said transition chamber (30) having an aperture (35) for the exit of the active substance from the chamber. There is also provided a substantially horizontal diffuser plate (25) positioned adjacent to said active substance exit aperture (35). Said exit aperture (35) is sized in relation to the physical-chemical characteristics of the active substance such that this occupies and closes the aperture (35) and also halts the discharge of the substance from the bottle interior, it outflowing therefrom only through a relatively short distance, said diffuser plate (25) being disposed in a position relative to the W.C. bowl such that the flushing water washes said exit aperture (35). <IMAGE>

IPC 1-7
E03D 9/03

IPC 8 full level
E03D 9/03 (2006.01)

CPC (source: EP)
E03D 9/032 (2013.01)

Citation (search report)
• [X] WO 0132995 A1 20010510 - SLADE BRIAN PARRY [GB]
• [DA] WO 0104428 A1 20010118 - DEOFLOR SPA [IT], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1391564 A1 20040225; IT RE20020064 A0 20020801; IT RE20020064 A1 20040202

DOCDB simple family (application)
EP 03077192 A 20030711; IT RE20020064 A 20020801