

Title (en)

METHOD AND DEVICE FOR DOSING AN ACTIVE INGREDIENT IN THE FLUSHING WATER OF SANITARY INSTALLATIONS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DOSIERUNG VON WIRKSTOFF IM SPÜLWASSER VON SANITÄRANLAGEN

Title (fr)

PROCEDE ET DISPOSITIF POUR DOSER UN AGENT ACTIF DANS DE L'EAU DE CHASSE D'INSTALLATIONS SANITAIRES

Publication

EP 1311730 B1 20071010 (DE)

Application

EP 00951179 A 20000822

Priority

CH 0000445 W 20000822

Abstract (en)

[origin: WO0216705A1] The invention relates to an economical and purely fluid mechanical device (100) provided with a siphon (25) which is arranged in a cavity (12) of a mixing chamber (3). Said mixing chamber is filled with a liquid active ingredient (A) by means of a dosing needle (13) which is attached to a storage reservoir (2). As soon as the flushing process is triggered, a small amount of flushing water flows into the mixing chamber (3) via a connecting pipe (5), mixes with the dosed active ingredient (A), and, after the pressure release in the flushing water pipe, flows into said flushing water pipe via the siphon (25), coating the urinal or the toilet with the active ingredient (A). Said device (100) doses the active ingredient (A) in a very precise manner, requiring no outside auxiliary energy, is very environmentally-friendly and requires no maintenance even after months of intensive use, other than changing the storage reservoir containing the active ingredient.

IPC 8 full level

E03D 9/03 (2006.01)

CPC (source: EP)

E03D 9/038 (2013.01)

Designated contracting state (EPC)

CH DE FR IT LI

DOCDB simple family (publication)

WO 0216705 A1 20020228; AU 6422900 A 20020304; DE 50014715 D1 20071122; EP 1311730 A1 20030521; EP 1311730 B1 20071010

DOCDB simple family (application)

CH 0000445 W 20000822; AU 6422900 A 20000822; DE 50014715 T 20000822; EP 00951179 A 20000822