

Title (en)

SIPHON-BREAKING DEVICE PREVENTING THE SIPHONING OF A WC BOWL TOWARDS THE WATER SUPPLY SYSTEM

Publication

EP 0320372 B1 19901010 (FR)

Application

EP 88403091 A 19881206

Priority

FR 8716983 A 19871207

Abstract (en)

[origin: EP0320372A1] 1. A siphon breaking disconnecter (13) for supplying a W.C. pan (3) with water from a pressurized mains supply with a view to flushing said W.C. pan, comprising a first, supply pipe (14) capable of being connected at one end to the mains and opening at the other end into an upper chamber (15), said chamber communicating, at its lower part, by an axial injector opening (21) with the top part of a cavity (18) provided with a vent (22) situated downstream of the injector opening, said cavity (18) being finally connected for gravity flow to the pan (3) by a second, evacuation pipe (32), characterized - in that the vent (22) of the cavity consists of the outlet of a spout situated at a first distance (d) from the injector opening, - in that the spout extends externally to the wall of the cavity while sloping slightly upwards (angle alpha) with respect to a plane (26) perpendicular to the axis (19) of the injector opening, - and in that the top part (20) of the cavity (18) comprises a tubular skirt (27) surrounding the outlet of the injector opening and extending therefrom over a distance (d') at least equal to said first distance (d).

IPC 1-7

E03C 1/10; **E03D 3/00**; **E03D 11/00**

IPC 8 full level

E03C 1/10 (2006.01); **E03D 11/13** (2006.01)

CPC (source: EP)

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Cited by

FR2696770A1; EP1234921A4; US7036159B2; WO2016071852A1

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