

Title (en)

Pneumatic device for activating a flush tank drain valve assembly

Title (de)

Pneumatische Vorrichtung zur Aktivierung eines Ablaufventils eines Spülkastens

Title (fr)

Dispositif pneumatique d'activation d'une vanne de vidange d'un réservoir de chasse d'eau

Publication

**EP 1491691 A3 20050720 (EN)**

Application

**EP 04102960 A 20040625**

Priority

IT MI20031325 A 20030627

Abstract (en)

[origin: EP1491691A2] A pneumatic device (3) for activating a valve assembly (2) of a flush tank (1) - wherein the valve assembly (2) has a valve body (9), and a shutter (10) movable with respect to the valve body (9) between an open position and a closed position - has an extensible pneumatic actuator assembly (15) for raising the shutter from the closed position to the open position when air is fed into the pneumatic actuator assembly (15) along a first air feed/return pipe (16) or along a second air feed/return pipe (17); and delaying means for delaying return airflow along the second pipe. <IMAGE>

[origin: EP1491691A2] The device has an extensible pneumatic actuator assembly (15) for raising a shutter (10) of a flush tank valve assembly from a closed position to an open position when air is fed into the assembly (15). Air is fed to and flows back from the assembly (15) along two pipes (16,17). A delaying unit in the form of an elastically deformable disk with jagged edge delays backflow of air along pipe (17).

IPC 1-7

**E03D 5/02**; **E03D 1/14**

IPC 8 full level

**E03D 1/14** (2006.01); **E03D 5/02** (2006.01)

CPC (source: EP)

**E03D 1/142** (2013.01); **E03D 5/024** (2013.01)

Citation (search report)

- [A] EP 0890680 A1 19990113 - GEBERIT TECHNIK AG [CH]
- [A] EP 0761893 A1 19970312 - PLASTIC INVESTMENT HOLDING S A [LU]
- [A] DE 3729569 A1 19890316 - SCHWAB SANITAER PLASTIC GMBH [DE]

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1491691 A2 20041229**; **EP 1491691 A3 20050720**; IT MI20031325 A0 20030627; IT MI20031325 A1 20041228

DOCDB simple family (application)

**EP 04102960 A 20040625**; IT MI20031325 A 20030627