

Title (en)

Device for pneumatical activation of a drain valve

Title (de)

Vorrichtung zur pneumatischen Betätigung eines Ablaufventils

Title (fr)

Dispositif pour commande pneumatique d'une soupape d'écoulement

Publication

EP 1719846 B1 20161214 (DE)

Application

EP 06113131 A 20060426

Priority

DE 102005020748 A 20050502

Abstract (en)

[origin: EP1719846A2] The device enables full flushing or partial flushing. It has first bellows (30) in an operating device (3) to produce a control variable and second bellows (20) at the drain valve (2) as a pneumatic lifter, the bellows can be connected via only one line (4), whereby the first bellows are only partly compressed to produce the control variable for partial flushing and fully compressed for full flushing.

IPC 8 full level

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

CPC (source: EP)

E03D 1/144 (2013.01); **E03D 5/024** (2013.01)

Cited by

DE102016010335A1; WO2018041400A1; ES2289958A1; CN111868425A; EP3665335A4; EP2525004A1; CN109642423A; US11939206B2; WO2018041399A1; WO2008099043A1; WO2009036490A1; WO2019070922A1; DE102008027225A1; DE102008027225B4; EP2692957A1; EP4257762A1; DE102022108200A1; EP4257761A1; DE102022108201A1; DE102017005959A1; US10767766B2; US11391391B2; DE102012002674A1; WO2012123050A1; EP2796626A1; US10851531B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1719846 A2 20061108; EP 1719846 A3 20130320; EP 1719846 B1 20161214; DE 102005020748 A1 20061109; ES 2616326 T3 20170612; PL 1719846 T3 20170731; PT 1719846 T 20170303

DOCDB simple family (application)

EP 06113131 A 20060426; DE 102005020748 A 20050502; ES 06113131 T 20060426; PL 06113131 T 20060426; PT 06113131 T 20060426