

Title (en)

Process for actuating a shut-off valve and a control system for actuating such a valve.

Title (de)

Verfahren zum Betätigen eines Absperrventils sowie Steueranordnung zum Betätigen eines solchen.

Title (fr)

Procédé et dispositif de commande d'une soupape d'obturation.

Publication

**EP 0649946 A3 19960731 (DE)**

Application

**EP 94116591 A 19941021**

Priority

DE 4336020 A 19931022

Abstract (en)

[origin: EP0649946A2] The invention relates to a control system (10) for a subatmospheric-pressure-actuable shut-off valve, intended for a subatmospheric-pressure waste-water (sewage) system, comprising a first valve (14) which can be actuated by a dynamic pressure caused by accumulated wastewater, and a chamber (56) which can be pressure-adjusted via the first valve and in which, or adjacent to which, there is adjustably arranged a valve piston (24), acted upon by a spring (71), of a second valve (20) via which, in dependence on the pressure prevailing in the chamber, a subatmospheric pressure passes to the shut-off valve in order to open the same, wherein, in the absence of dynamic pressure, the first valve closes and a pressure change which is necessary for closing the second valve takes place in the chamber. <IMAGE>

IPC 1-7

**E03F 1/00**

IPC 8 full level

**F16K 31/122** (2006.01); **E03F 1/00** (2006.01); **F16K 17/30** (2006.01)

CPC (source: EP US)

**E03F 1/006** (2013.01 - EP US); **Y10S 137/907** (2013.01 - EP US); **Y10T 137/0379** (2015.04 - EP US); **Y10T 137/7316** (2015.04 - EP US); **Y10T 137/7768** (2015.04 - EP US)

Citation (search report)

- [DY] DE 3727661 A1 19890302 - MICHAEL HARALD [DE]
- [Y] DE 3409673 A1 19850919 - GRIES FRIEDRICH
- [A] EP 0415359 A2 19910306 - EBARA CORP [JP]
- [A] US 4366834 A 19830104 - HANSON DAVID E, et al

Cited by

DE102010016524A1; DE102010000609A1; EP0829584A3; NL1037986C2; DE19829391A1; DE19829391C2; DE10216091C1; DE102010016524B4; DE102006028732B4; DE102006028732A1; DE10361439B4; EP0937830A3; EP2363542A3; DE102010000609B4; WO2011149342A1; EP2363542A2; US8418715B2

Designated contracting state (EPC)

DE FR GB NL SE

DOCDB simple family (publication)

**EP 0649946 A2 19950426**; **EP 0649946 A3 19960731**; **EP 0649946 B1 20010502**; DE 4336020 A1 19950427; DE 4336020 C2 19970515; DE 59409737 D1 20010607; JP H07198052 A 19950801; US 5657784 A 19970819

DOCDB simple family (application)

**EP 94116591 A 19941021**; DE 4336020 A 19931022; DE 59409737 T 19941021; JP 28436194 A 19941024; US 32621494 A 19941020