

Title (en)

Sanitary fitting with a protection device for preventing water backflows.

Title (de)

Sanitäre Armatur mit einer Sicherungseinrichtung zum verhindern des Zurückfließens von Wasser.

Title (fr)

Installation sanitaire avec dispositif de protection pour empêcher les retours à eau.

Publication

**EP 0444414 B1 19940420 (DE)**

Application

**EP 91100658 A 19910121**

Priority

CH 69690 A 19900302

Abstract (en)

[origin: CA2037407A1] The first automatic valve (66) of a safeguard (36) is connected in the flow path (60) of a sanitary fitting. The diaphragm (122), as the valve body (90) of the second valve (68) interacts with the valve seat (72) and the first valve (66) is arranged on said diaphragm. Under normal operating conditions, the second valve (68) is closed and the first valve (66) is opened. Under conditions allowing backflow counter to the direction of the arrow S, the first valve (66) closes automatically, by which means the diaphragm (122) is deformed counter to the direction of the arrow S due to the suction on the input side, which results in the second valve (68) being inevitably opened. By this means, water is prevented from flowing back into the feedline and the outlet is connected to the ambient air through the opened second valve (68) and the aeration path (58). (Figure 7)

IPC 1-7

**E03C 1/10**

IPC 8 full level

**E03C 1/10** (2006.01)

CPC (source: EP US)

**E03C 1/104** (2013.01 - EP US); **E03C 1/108** (2013.01 - EP US); **Y10T 137/3331** (2015.04 - EP US); **Y10T 137/9464** (2015.04 - EP US)

Cited by

DE9405108U1; DE10125981C5

Designated contracting state (EPC)

AT DE ES FR IT

DOCDB simple family (publication)

**EP 0444414 A1 19910904**; **EP 0444414 B1 19940420**; AT E104720 T1 19940515; CA 2037407 A1 19910903; CH 681029 A5 19921231; DE 59101412 D1 19940526; ES 2051527 T3 19940616; US 5217040 A 19930608

DOCDB simple family (application)

**EP 91100658 A 19910121**; AT 91100658 T 19910121; CA 2037407 A 19910301; CH 69690 A 19900302; DE 59101412 T 19910121; ES 91100658 T 19910121; US 66759791 A 19910304