

Title (en)
Backflow prevention device for waste water installations

Title (de)
Rückstausicherung für Abwasseranlagen

Title (fr)
Dispositif anti-reflux pour installations d'eaux usées

Publication
EP 2639369 A3 20150114 (DE)

Application
EP 13159129 A 20130314

Priority
DE 102012102225 A 20120316

Abstract (en)
[origin: EP2639369A2] The device has an inlet pipe (5) connectable to a domestic sewage line, and a drain line (6) connectable to a sewer. A pumping device (8) pumps sewage water (12) over pressure lines (10, 20) into the sewer. A shut-off device (7) i.e. pinch valve, stays in a directly or indirectly controlled connection with the pressure line and/or the drain line such that the shut-off device is shut when overpressure exists in the pressure line and/or the drain line. A membrane device (13) disconnects the flow of sewage water from hydraulic medium (14) to directly or indirectly control the shut-off device. The membrane device is a tensile hose.

IPC 8 full level
E03F 5/22 (2006.01); **E03F 7/04** (2006.01)

CPC (source: EP)
E03F 5/22 (2013.01); **E03F 7/04** (2013.01)

Citation (search report)

- [XY] DE 8311009 U1 19831201
- [Y] DE 102010036916 A1 20120209 - AHLMANN ACO SEVERIN [DE]
- [YA] US 2431640 A 19471125 - ARTHUR GORDON

Cited by
CN104929234A; CN114991291A; EP3064907B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2639369 A2 20130918; EP 2639369 A3 20150114; EP 2639369 B1 20170719; DE 102012102225 A1 20130919

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