

Title (en)

BACKFLOW PREVENTION VALVE AND METHOD OF PREVENTING BACKFLOW DURING WATER SUPPLY

Title (de)

RÜCKFLUSSVERHINDERUNGSVENTIL UND VERFAHREN ZUR VERHINDERUNG VON RÜCKFLUSS BEI WASSERVERSORGUNG

Title (fr)

CLAPET ANTI-RETOUR ET PROCÉDÉ DE PRÉVENTION DE REFOULEMENT PENDANT L'ALIMENTATION EN EAU

Publication

EP 2947212 B1 20181121 (EN)

Application

EP 15168624 A 20150521

Priority

GB 201409266 A 20140523

Abstract (en)

[origin: EP2947212A1] A backflow prevention valve (30) prevents backflow during the supply of water from a mains supply to a separate water system, for example a water tank on a boat. The backflow prevention valve (30) is provided comprising a valve body (32) defining a chamber (34), an inlet (36) opening into the chamber (34) and arranged on an inlet axis (38), an outlet (40) opening from the chamber (34) and arranged on an outlet axis (42), and a funnel arranged in the chamber (34) around the outlet (40). The outlet axis (42) is substantially collinear with the inlet axis (38). The funnel tapers from a first larger perimeter at a first end (48) to a second smaller perimeter at the outlet (40). The chamber (34) has one or more backflow outlet ports (52) arranged outside the first perimeter of the funnel.

IPC 8 full level

E03C 1/10 (2006.01)

CPC (source: EP)

E03C 1/102 (2013.01)

Cited by

DE202019000519U1; DE202016100854U1; CN116570778A; JP2019190791A

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

DOCDB simple family (publication)

EP 2947212 A1 20151125; EP 2947212 B1 20181121; GB 201409266 D0 20140709

DOCDB simple family (application)

EP 15168624 A 20150521; GB 201409266 A 20140523