

Title (en)  
BACKFLOW PREVENTION DEVICE FOR WATER SOFTENER

Title (de)  
RÜCKFLUSSVERHINDERER FÜR WASSERENTHÄRTER

Title (fr)  
VALVE ANTI-RETOUR POUR ADOUCISSEUR D'EAU

Publication  
**EP 3208392 A1 20170823 (EN)**

Application  
**EP 17156864 A 20170220**

Priority  
GB 201603022 A 20160222

Abstract (en)  
A siphon apparatus (14) is operable to be connected to a water softener device (10). The siphon apparatus (14) comprises a body (18) defined by one or more walls, wherein the walls define a through bore through the body (18). At least one window defines an aperture (52) through the one or more walls. A closure member (32) is provided at one end of the body (18). The closure member (32) comprises one or more ports (38), which are in fluid communication with the hollow body (18). Each port (38) is provided through the closure member (32). An inner funnel (42) extends from the closure member (32) and at least partially into the hollow body (18), wherein the inner funnel (42) is in fluid communication with the one or more ports (32). A meshed member (46) is provided within the inner funnel (42). In use, the meshed member (46) is operable to channel and stabilize fluid entering the inner funnel (42) from the one or more ports (32).

IPC 8 full level  
**E03C 1/10** (2006.01)

CPC (source: EP)  
**E03C 1/102** (2013.01); **E03C 2201/45** (2013.01)

Citation (search report)  
• [XA] US 5592964 A 19970114 - TRAYLOR PAUL L [US]  
• [X] US 2161204 A 19390606 - SHANLEY WILLIAM C  
• [A] US 4646775 A 19870303 - TRAYLOR PAUL L [US]  
• [A] US 2056357 A 19361006 - LUFF HENRY J

Cited by  
WO2022038181A1

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 3208392 A1 20170823**; **EP 3208392 B1 20200520**; DK 3208392 T3 20200615; ES 2797927 T3 20201204; GB 201603022 D0 20160406; HR P20200863 T1 20200821; HU E049453 T2 20200928; LT 3208392 T 20200710; PL 3208392 T3 20200907; RS 60405 B1 20200731; SI 3208392 T1 20200831

DOCDB simple family (application)  
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