

Title (en)  
Water trap with return flow protection

Title (de)  
Siphon mit Rücklaufverhinderer

Title (fr)  
Siphon avec dispositif anti-retour

Publication  
**EP 1561869 A3 20060510 (EN)**

Application  
**EP 05002107 A 20050202**

Priority  
DK PA200400179 A 20040206

Abstract (en)  
[origin: EP1561869A2] The present invention concerns a water trap (1) with return flow protection, including a funnel (2) which is connected with a riser pipe (3), a bell (4) enclosing the riser pipe (3), and a valve (5) which is adapted for enclosing the riser pipe (3), and which is movable between a closed position where the valve (5) blocks for flow through the water trap (1), and an open position where the valve (5) allows a normal drain function, where the valve (5) includes valve seats (6, 7) on the riser pipe (3) and the bell (4), respectively, and a preferably replaceable valve body (8), where the valve body (8) is designed with a concave/convex cross-section.

IPC 8 full level  
**E03C 1/29** (2006.01); **E03C 1/294** (2006.01); **E03F 5/042** (2006.01)

CPC (source: EP)  
**E03C 1/29** (2013.01); **E03F 5/0406** (2013.01); **E03F 5/042** (2013.01); **E03F 2005/0416** (2013.01); **E03F 2005/0417** (2013.01); **E03F 2005/0418** (2013.01)

Citation (search report)

- [DA] GB 2134940 A 19840822 - JUPP MICHAEL ROBERT
- [DA] EP 0486954 A2 19920527 - SJOEBO BRUK AB [SE]
- [A] WO 02092926 A1 20021121 - KOO KYUNG SEO [KR]

Cited by  
FR3141971A1; CN103643726A; CN104099995A; EP2730706A4; CN110805119A; WO2010089701A1; WO2015081881A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1561869 A2 20050810; EP 1561869 A3 20060510; EP 1561869 B1 20070418**; AT E360120 T1 20070515; DE 602005000886 D1 20070531; DE 602005000886 T2 20080117; DK 1561869 T3 20070702

DOCDB simple family (application)  
**EP 05002107 A 20050202**; AT 05002107 T 20050202; DE 602005000886 T 20050202; DK 05002107 T 20050202