

Title (en)

Double check valve

Title (de)

Systemtrenner

Title (fr)

Ensemble de clapets anti-retour

Publication

EP 1688547 A3 20070221 (DE)

Application

EP 06001816 A 20060130

Priority

DE 102005005452 A 20050204

Abstract (en)

[origin: EP1688547A2] The device has a housing (1), reverse flow prevention devices (5,13) on the input and output sides and a valve (outlet valve) for opening or closing an outlet (4) between the reverse flow prevention devices. The housing is in one piece, the outlet valve ring includes a valve ring able to move in the housing and fixed to a piston to form a pot (9) with a surface subjected to pressure acting in equal measure towards the input (2) and output (3).

IPC 8 full level

E03C 1/10 (2006.01)

CPC (source: EP)

E03C 1/106 (2013.01); **E03C 1/108** (2013.01)

Citation (search report)

- [XY] DE 2424978 A1 19751204 - BRAUKMANN ARMATUREN
- [X] DE 2157363 A1 19730524 - PREUSS GUENTER
- [YA] US 4132241 A 19790102 - IANNELLI FRANK M
- [A] US 6220282 B1 20010424 - POWELL DOUGLAS H [US]

Cited by

EP2239379A1; DE202009013771U1; DE102009048093A1; DE102009048093B4

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1688547 A2 20060809; EP 1688547 A3 20070221; EP 1688547 B1 20110119; AT E496177 T1 20110215; DE 102005005452 A1 20060817; DE 502006008748 D1 20110303; DK 1688547 T3 20110509; ES 2360231 T3 20110602; PL 1688547 T3 20110729

DOCDB simple family (application)

EP 06001816 A 20060130; AT 06001816 T 20060130; DE 102005005452 A 20050204; DE 502006008748 T 20060130; DK 06001816 T 20060130; ES 06001816 T 20060130; PL 06001816 T 20060130