

Title (en)

Hydraulic three-chamber backflow preventer

Title (de)

Modifiziertes hydraulisches Drei-Kammer-Systemtrenngerät (BA)

Title (fr)

Disconnecteur hydraulique à trois chambres

Publication

**EP 0851066 A3 19990317 (DE)**

Application

**EP 97109300 A 19970609**

Priority

- DE 19623098 A 19960610
- DE 19634318 A 19960824
- DE 19636502 A 19960909
- DE 19640518 A 19961001
- DE 19708232 A 19970228
- DE 19715393 A 19970414

Abstract (en)

[origin: DE19724321A1] The system separating valve has three chambers and has a number of non-return valves. It also includes unloading valves which may release the pressure (Pi) in the middle zone of the valve. Fluid, especially drinking water, may enter the entrance (1) of the valve at a first high pressure (P1) and then passes through a control valve from the first chamber to a second chamber at an intermediate pressure (Pi). Water then may flow through a further valve into an exit region at a third low pressure (P2).

IPC 1-7

**E03C 1/00**

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)

- [DA] DE 4409104 A1 19941215 - DESCH KURT MICHAEL [DE]
- [DA] DE 4129352 A1 19920702 - DESCH KURT MICHAEL [DE]

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**DE 19724321 A1 19980402**; EP 0851066 A2 19980701; EP 0851066 A3 19990317

DOCDB simple family (application)

**DE 19724321 A 19970610**; EP 97109300 A 19970609