

Title (en)  
Sanitary security device

Title (de)  
Sanitäre Sicherungseinrichtung

Title (fr)  
Dispositif de sécurité sanitaire

Publication  
**EP 0787864 B1 20010221 (DE)**

Application  
**EP 96120231 A 19961217**

Priority  
DE 19603393 A 19960131

Abstract (en)  
[origin: EP0787864A1] There is a flow rate regulator (2), flow rate limiter or similar throttle valve. This and at least one backflow preventer (3) are combined to form a unit as a cartridge (1) which can be inserted as a sanitary safety device in a water line. The cartridge preferably has a screen (8) attached to it on the inflow side and the components may be mounted in a cartridge housing (9) having supports (10,11) in the form of stepwise displaced ring collars or shoulders on the inside wall for the safety device or backflow preventer or screen. A seal may be provided between the outer shell of the cartridge housing and the inside wall of the water line.

IPC 1-7  
**E03C 1/08**; **E03C 1/10**

IPC 8 full level  
**E03C 1/08** (2006.01); **E03C 1/10** (2006.01)

CPC (source: EP US)  
**E03C 1/08** (2013.01 - EP US); **E03C 1/106** (2013.01 - EP US); **E03C 2001/026** (2013.01 - EP US); **Y10T 137/7504** (2015.04 - EP US); **Y10T 137/7933** (2015.04 - EP US)

Cited by  
CN106029997A; EP1898007A3; DE102004016404A1; CN112044008A; US10006574B2; WO2015104616A1; WO2015104617A1; WO2015086097A1

Designated contracting state (EPC)  
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