

Title (en)
SHUT-OFF VALVE DEVICE

Title (de)
SPERRVENTILEINRICHTUNG

Title (fr)
DISPOSITIF DE SOUPAPE D'ARRET

Publication
EP 1999402 A1 20081210 (DE)

Application
EP 07723059 A 20070306

Priority
• EP 2007001914 W 20070306
• DE 102006014846 A 20060330

Abstract (en)
[origin: DE102006014846A1] The device (1) has two check valves (2a, 2b) arranged in series with elastically deformable valve bodies (3a, 3b). The valve bodies are designed as a poppet valve, and sealing edges (5a, 5b) are formed at a valve housing (4). The valve bodies are provided with tapered surfaces (6a, 6b) facing the sealing edges, where the tapered surfaces (6a, 6b) and tapered surfaces (7a, 7b) have different opening angles. The valve bodies are made of high-strength flexible material such as high-strength, flexible metal.

IPC 8 full level
F16K 15/02 (2006.01)

CPC (source: EP)
F16K 7/20 (2013.01); **F16K 15/021** (2013.01); **F16K 15/14** (2013.01)

Citation (search report)
See references of WO 2007115618A1

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DOCDB simple family (publication)
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