

Title (en)  
PRESSURE-BALANCED VALVE

Title (de)  
DRUCKAUSGEGLICHENES VENTIL

Title (fr)  
SOUPAPE À PRESSION ÉQUILIBRÉE

Publication  
**EP 3464972 A1 20190410 (EN)**

Application  
**EP 16902616 A 20160525**

Priority  
CA 2016000155 W 20160525

Abstract (en)  
[origin: WO2017201599A1] There is provided a valve apparatus. The valve apparatus includes a body, a closure member, upstream and downstream compartments, a closure member passage, a first fluid pressure- receiving surface fraction and a second fluid pressure-receiving surface fraction. The body including an inlet port, a first outlet port, and a second outlet port, and a fluid passage network extending between the inlet port and the first and second outlet ports. The closure member is configured for movement between an open position and a closed position, wherein, in the open position, the first outlet port is open, and wherein, in the closed position, the first outlet port is closed. The upstream compartment is disposed between the inlet port and the closure member. The downstream compartment is disposed between the second outlet port and the closure member. The upstream and downstream compartments are established by the positioning of the closure member relative to the body. The closure member passage extends through the closure member for effecting fluid communication between the upstream and downstream compartments. The first fluid pressure-receiving surface fraction is defined on the closure member and configured for receiving forces being applied by fluid disposed within the upstream compartment. The second fluid pressure-receiving surface fraction is defined on the closure member and configured for receiving forces being applied by fluid disposed within the downstream compartment. While the fluid pressure within the upstream compartment is equal to the fluid pressure within the downstream compartment, the closure member is biased to the closed position.

IPC 8 full level  
**F16K 31/12** (2006.01)

CPC (source: EP)  
**F16K 17/38** (2013.01); **F16K 31/383** (2013.01)

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**WO 2017201599 A1 20171130**; BR 112018074193 A2 20190306; CA 3024878 A1 20171130; EP 3464972 A1 20190410; EP 3464972 A4 20200115; EP 4242505 A2 20230913; EP 4242505 A3 20231018

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