

Title (en)

PRESSURE ACCUMULATOR, ESPECIALLY PULSATION DAMPER

Title (de)

DRUCKSPEICHER, INSBESONDERE PULSATIONS DÄMPFER

Title (fr)

ACCUMULATEUR DE PRESSION, EN PARTICULIER AMORTISSEUR DE PULSATIONS

Publication

EP 1709334 A1 20061011 (DE)

Application

EP 05700985 A 20050118

Priority

- EP 2005000410 W 20050118
- DE 102004004341 A 20040129

Abstract (en)

[origin: US7857006B2] A pressure accumulator, especially a pulsation damper, includes an accumulator housing (10) and a piston element (28) disposed in it. A bellows-type separative element (30) is supported on the piston part (28) with its one end (32) and with its other end (34) on the accumulator housing (10). The separative element (30) separates two working chambers (26, 40) within the accumulator housing (10) from each other, especially a gas chamber (26) from a fluid chamber (40), in a fluid-tight, especially gas-tight manner. To one working chamber (26), in addition to a defined volumetric proportion of a working gas, is filled with a fluid. In this manner, the working gas allows for a compression to a certain degree and for a dampening and smoothening of the pulsations of the fluid medium migrating to and occurring on the fluid side of the accumulator.

IPC 8 full level

F15B 1/10 (2006.01); **F15B 1/22** (2006.01)

CPC (source: EP US)

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