

Title (en)

DEVICE FOR DAMPING PRESSURE SURGES

Title (de)

VORRICHTUNG ZUM DÄMPFEN VON DRUCKSTÖSSEN

Title (fr)

DISPOSITIF POUR AMORTIR DES COUPS DE BELIER

Publication

EP 1685323 A1 20060802 (DE)

Application

EP 04790081 A 20041001

Priority

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Abstract (en)

[origin: US2006225800A1] The invention relates to a device for damping pressure surges in a fluid with a housing (10) and a piston (14) that can be longitudinally displaced inside the housing (10) against the pretensioning force of a spring energy store (12). In order that the piston (14) interacts with another piston (24), which is guided in a connecting piece (26) of the housing (10) in a manner that enables it to be longitudinally displaced, and that, during the operation of the device, the piston (14) exerts a pressure force onto the other piston (24) when the latter is in any displacement position, even pressure surges occurring with a high frequency can be reliably controlled in a functionally reliable manner.

IPC 8 full level

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