Title (en)

DEVICE FOR DAMPING PRESSURE VARIATIONS IN A SEALED CHAMBER

Title (de)

VORRICHTUNG ZUR DÄMPFUNG VON DRUCKSCHWANKUNGEN IN EINER ABGEDICHTETEN KAMMER

Title (fr)

DISPOSITIF D'AMORTISSEMENT DE VARIATION DE PRESSION DANS UNE ENCEINTE FERMEE

Publication

EP 2370715 A1 20111005 (FR)

Application

EP 09805808 A 20091231

Priority

- FR 2009052723 W 20091231
- FR 0859162 A 20081231

Abstract (en)

[origin: WO2010076544A1] The present invention relates to a device (1) for damping pressure variations in a sealed chamber, including: a flat element (4) held stationary in the sealed chamber and perforated with at least one opening (10); at least one flat mobile element (3) arranged, in normal operation, in the same shared plane as the element held stationary in the chamber so as to cover the opening of the element which is held stationary, said mobile flat element being suitable for separating from the opening in the direction of the top or the bottom of the chamber, the dimensions of said element which is held stationary being at least equal to those of the opening for the element which is held stationary, preferably equal to those of said opening; at least one joining member (7) rigidly connecting the mobile element to the element which is held stationary and enabling the flat mobile element to be held, separated or returned relative to the opening of the element which is held stationary, in particular said joining member comprising a rod (8) surrounded by at least one torsion or compression spring (9). The invention further relates to a use of said device.

IPC 8 full level

F16K 17/196 (2006.01); **B01D 3/16** (2006.01)

CPC (source: EP US)

B01D 3/205 (2013.01 - EP US); **B01D 3/324** (2013.01 - EP US); **F16K 17/196** (2013.01 - EP US); Y10T 137/8122 (2015.04 - EP US)

Citation (search report)

See references of WO 2010076544A1

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