

Title (en)

Device for damping pressure pulsations in a fluid system, particularly in a fuel system of a combustion engine

Title (de)

Vorrichtung zum Dämpfen von Druckpulsationen in einem Fluidsystem, insbesondere in einem Kraftstoffsystem einer Brennkraftmaschine

Title (fr)

Dispositif pour amortir les pulsations de pression dans un système à fluide, en particulier dans un système à carburant d'un moteur à combustion

Publication

**EP 1398501 A3 20060607 (DE)**

Application

**EP 03003962 A 20030220**

Priority

DE 10242590 A 20020913

Abstract (en)

[origin: EP1398501A2] The device has a housing (52) with at least one working chamber (50) connected to the fluid system and bounded in regions by at least one movable membrane element (56) that interacts with a spring device (70) in a closed spring chamber (68). The membrane element has a diffusion barrier and the bounding wall of the spring chamber has at least the same outward diffusion rate, at least in one region (74), as the membrane element.

IPC 8 full level

**F04B 11/00** (2006.01)

CPC (source: EP)

**F04B 11/0016** (2013.01); **F04B 11/0033** (2013.01)

Citation (search report)

- [A] FR 1068261 A 19540623 - VERMOREL ETS
- [A] DE 3152861 A1 19830818 - BOSCH GMBH ROBERT [DE]
- [DA] DE 19650784 A1 19980610 - BOSCH GMBH ROBERT [DE]

Cited by

EP2363594A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

**EP 1398501 A2 20040317; EP 1398501 A3 20060607; DE 10242590 A1 20040318**

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**EP 03003962 A 20030220; DE 10242590 A 20020913**