

Title (en)

Device for damping of pressure pulsations in a fluid system, especially in a fuel system of an internal combustion engine

Title (de)

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

Title (fr)

Dispositif pour l'atténuation des pulsations de pression dans un système de fluide, en particulier dans un système de carburant d'un moteur à combustion interne

Publication

EP 1411236 A3 20070411 (DE)

Application

EP 03015623 A 20030716

Priority

- DE 10248822 A 20021019
- DE 10327408 A 20030618

Abstract (en)

[origin: EP1411236A2] The pressure pulsation damping device has a housing (38,40) having at least one working space (66) communicating with the fuel system, in which a gas volume (58) sealed by a metal membrane (54a,54b) is provided. The membrane can be provided by a thin-walled metal pipe which is sealed at its ends, the gas volume exhibiting an overpressure at a normal atmospheric pressure.

IPC 8 full level

F02M 37/00 (2006.01); **F02M 55/00** (2006.01); **F02M 55/02** (2006.01); **F02M 55/04** (2006.01); **F02M 59/44** (2006.01); **F02M 69/54** (2006.01); **F02M 63/00** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)

F02M 37/0041 (2013.01); **F02M 55/04** (2013.01); **F02M 63/0225** (2013.01); **F02M 2200/315** (2013.01)

Citation (search report)

- [X] NL 1016384 C2 20020412 - HELVOET B V [NL]
- [A] DE 3152861 A1 19830818 - BOSCH GMBH ROBERT [DE]
- [A] DE 19539885 A1 19961128 - BOSCH GMBH ROBERT [DE]

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