

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 A2 20040421 (DE)

Application

EP 03015623 A 20030716

Priority

- DE 10248822 A 20021019
- DE 10327408 A 20030618

Abstract (en)

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.

Abstract (de)

Es wird eine Vorrichtung (36) vorgeschlagen, welche zum Dämpfen von Druckpulsationen in einem Fluidsystem (16) dient. Sie umfasst ein Gehäuse (38, 40) und mindestens einen Arbeitsraum (66), welcher mit dem Fluidsystem (16) kommuniziert. Innerhalb des Arbeitsraums (66) ist mindestens ein durch eine Membran (54a, 54b) dicht abgeschlossenes Gasvolumen (58) vorhanden. <IMAGE>

IPC 1-7

F02M 37/00; **F02M 69/54**

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

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