

Title (en)

Pressure pulsation dampener and fuel dosage pump with a pressure pulsation dampener

Title (de)

Druckpulsationsdämpfer und Kraftstoffdosierpumpe mit einem Druckpulsationsdämpfer

Title (fr)

Dispositif d'atténuation de pulsations et pompe de dosage de carburant avec un dispositif d'atténuation de pulsations

Publication

EP 1602823 A1 20051207 (DE)

Application

EP 05006793 A 20050329

Priority

DE 102004024865 A 20040519

Abstract (en)

The pressure pulse damper for a dosing pump (10), especially a fuel metering pump, comprises a compressible pulse damping component (28) around which flows the pressurized medium which is to be delivered. The pulse damping component is a hollow body of flexible material with a sealed cavity (32) filled with a compressible medium such as gas. The damping component is installed in a housing, with a flow chamber formed between the inner surface and pulse damping body. An independent claim is included for a dosing pump, and especially a fuel metering pump for motor vehicles, equipped with the proposed pressure pulse damper.

Abstract (de)

Ein Druckpulsationsdämpfer für eine Dosierpumpe, insbesondere Kraftstoffdosierpumpe, umfasst einen von einem unter Druck zu fördernden Medium umströmbaren, kompressiblen Pulsationsdämpfungskörper (28). <IMAGE>

IPC 1-7

F02M 55/04; **F02M 37/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] US 2004035399 A1 20040226 - CURRAN STEVEN M [US], et al
- [X] DE 2924796 A1 19810122 - BOSCH GMBH ROBERT
- [X] GB 2382623 A 20030604 - VISTEON GLOBAL TECH INC [US]
- [X] GB 1349155 A 19740327 - LUCAS INDUSTRIES LTD
- [X] EP 1371840 A2 20031217 - BOSCH GMBH ROBERT [DE]

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