

Title (en)

Valve system for regulating the pressure of fuel supply in a combustion engine

Title (de)

Ventilanordnung zur Druckregelung der Kraftstoffzufuhr bei einer Brennkraftmaschine

Title (fr)

Système de soupape de régulation de pression d'alimentation en carburant pour un moteur à combustion

Publication

EP 1234976 A3 20030521 (DE)

Application

EP 01129778 A 20011214

Priority

DE 10107618 A 20010217

Abstract (en)

[origin: US2002113220A1] Valve arrangement for pressure regulation of fuel introduction in an internal combustion engine having a pressure regulation and a shutoff function that can be actuated by an electromagnetic drive. A housing is provided with at least one inlet connection and at least one outlet connection, which are connected to one another by a connection channel. The electromagnetic drive includes an armature which acts on a tappet supporting a closing element, which opens or closes the connection channel. At least one pressure spring element acts on the closing element either directly or indirectly in the closing direction. The armature is supported by a core which can adjust the electromagnetic force applied to the armature.

IPC 1-7

F02M 69/54; **F02M 59/46**; **F16K 31/02**

IPC 8 full level

F02M 59/46 (2006.01); **F02M 69/54** (2006.01)

CPC (source: EP US)

F02M 37/0023 (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US); **F02M 69/54** (2013.01 - EP US)

Citation (search report)

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EP 1234976 A2 20020828; **EP 1234976 A3 20030521**; **EP 1234976 B1 20060621**; DE 10107618 A1 20020829; DE 50110244 D1 20060803; ES 2266081 T3 20070301; US 2002113220 A1 20020822; US 6659424 B2 20031209

DOCDB simple family (application)

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