

Title (en)

Actively closing magnetic valve for magnetic injectors

Title (de)

Aktiv schließendes Magnetventil für Magnetinjektoren

Title (fr)

Soupape magnétique à fermeture active pour injecteurs magnétiques

Publication

EP 2256333 B1 20150218 (DE)

Application

EP 10157971 A 20100326

Priority

DE 102009003219 A 20090519

Abstract (en)

[origin: EP2256333A1] The valve (110) has two magnet actuators (132, 134) and a spring (126) for interacting with a control member (124) in force directions that are opposite to each other. The spring is designed as a recoil spring (128) and arranged such that the valve is in a closed condition by the magnet actuators, without force. The recoil spring is designed such that the spring exercises closing force on the control member. The magnet actuators comprise an anchor (130) and two solenoid coils (136, 138), where the anchor is arranged between the solenoid coils. An independent claim is also included for a fuel injector for injecting fuel into a combustion chamber of an internal combustion engine.

IPC 8 full level

F02M 51/06 (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

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DOCDB simple family (publication)

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