

Title (en)

Electromagnetic valve actuator for an internal combustion engine, and engine with such an actuator

Title (de)

Elektromagnetisch arbeitende Ventilstelleinrichtung in einem Brennkraftmaschine und Brennkraftmaschine mit einer solchen Ventilstelleinrichtung

Title (fr)

Actionneur électromécanique de commande de soupape pour moteur à combustion interne et moteur à combustion interne muni d'un tel actionneur

Publication

EP 1703089 B1 20111130 (FR)

Application

EP 05300200 A 20050318

Priority

EP 05300200 A 20050318

Abstract (en)

[origin: EP1703089A1] The actuator has an isthmus (201) forming a magnetic circuit to form a passage for magnetic flux generated by an electromagnet (204) for a part of a field generated by a magnet (202), when the electromagnet generates a magnetic field to attract and/or maintain a movable magnetic plate (206) opposite to the actuator. The isthmus is magnetically saturated by the partial magnetic field of the magnet. An independent claim is also included for a vehicle comprising an electro mechanic actuator controlling a valve of an internal combustion engine.

IPC 8 full level

F01L 9/20 (2021.01); **H01F 7/16** (2006.01)

CPC (source: EP)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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