

Title (en)

Electromagnetic valve actuator for internal combustion engine and engine comprising such an actuator

Title (de)

Elektromagnetischer Aktuator zur Betätigung eines Gaswechselventils an einer Kolbenbrennkraftmaschine und Brennkraftmaschine mit einem solchen Aktuator

Title (fr)

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

Publication

EP 1450010 B1 20160713 (FR)

Application

EP 04300048 A 20040127

Priority

FR 0301945 A 20030218

Abstract (en)

[origin: EP1450010A2] The actuator has an electromagnet and a movable magnetic chuck (306) in contact with the electromagnet. A stopper (B 300) is situated on the electromagnet or on the chuck to limit contact surface between the chuck and the electromagnet. The stopper is situated at the center of the electromagnet surface. The stopper is situated on an axis collinear with an axis of translation of the chuck. An independent claim is also included for an internal combustion engine.

IPC 8 full level

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

CPC (source: EP US)

F01L 9/20 (2021.01 - EP US); **F01L 2009/2136** (2021.01 - EP US); **F01L 2009/2148** (2021.01 - EP US); **F01L 2009/2151** (2021.01 - EP US)

Citation (examination)

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DOCDB simple family (publication)

EP 1450010 A2 20040825; **EP 1450010 A3 20081231**; **EP 1450010 B1 20160713**; FR 2851289 A1 20040820; FR 2851289 B1 20070406; JP 2004257382 A 20040916; JP 4622260 B2 20110202; US 2004206320 A1 20041021; US 7487749 B2 20090210

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