

Title (en)

Method of operation for an electromagnetically driven valve actuator

Title (de)

Verfahren zum Betreiben eines elektromagnetischen Aktuators zur Betätigung eines Gaswechselventils

Title (fr)

Procédé de fonctionnement d'un actionneur de soupape à commande électromagnétique

Publication

**EP 1001142 B1 20030910 (DE)**

Application

**EP 99121716 A 19991103**

Priority

DE 19852655 A 19981116

Abstract (en)

[origin: EP1001142A2] The actuator acts on the valve (5) with at least one electromagnet (2,3) via an armature (1) and against the force of at least one valve spring (60,63) and actuates the valve by moving the armature. A control parameter dependent on a change in inductance of the electromagnet(s) is used as a measure of the speed of the action of the armature on the electromagnet(s) and is regulated to a demand value by controlling the energy delivered to the electromagnets.

IPC 1-7

**F01L 9/04**; **F16K 31/02**

IPC 8 full level

**F01L 9/04** (2006.01); **F01L 9/20** (2021.01); **F16K 31/02** (2006.01)

CPC (source: EP US)

**F01L 9/20** (2021.01 - EP US); **F01L 2009/409** (2021.01 - EP US)

Cited by

EP1190161A4; EP1172527A3; EP1217177A3; EP2108789A3; EP1217177A2

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DE FR GB IT SE

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