

Title (en)

METHOD AND CIRCUIT ARRANGEMENT FOR OPERATING A SOLENOID VALVE

Title (de)

VERFAHREN UND SCHALTUNGSANORDNUNG ZUM BETRIEB EINES MAGNETVENTILS

Title (fr)

PROCEDE ET CIRCUIT POUR FAIRE FONCTIONNER UNE ELECTROVANNE

Publication

EP 1173658 B1 20050921 (DE)

Application

EP 01911384 A 20010125

Priority

- DE 0100279 W 20010125
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Abstract (en)

[origin: WO0161156A1] The invention relates to a method and a circuit arrangement for operating a solenoid valve (MV), especially for actuating an electrohydraulic gas exchange valve gear, an injection valve or an inlet or outlet valve of an internal combustion engine. The aim of the invention is to enable the solenoid valve (MV) to be controlled as simply as possible. The solenoid valve (MV) is impinged upon in a controlled manner and in a cycle that comprises three phases. The solenoid valve (MV) is connected to a first voltage (U_1) for a predetermined period (T_1) during a pick-up phase for producing a pick-up current, whereby said voltage has a predetermined value. Said solenoid valve (MV) is connected to a second voltage (U_2) in a holding phase for producing a holding current, whereby said voltage has a predetermined value. Said valve is separated from the two voltages (U_1, U_2) in a switching-off phase.

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IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

- DE 3920064 A1 19910103 - BOSCH GMBH ROBERT [DE]
- US 4729056 A 19880301 - EDWARDS ARTHUR J [US], et al

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DOCDB simple family (publication)

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