

Title (en)

METHOD FOR OPERATING A SOLENOID VALVE FOR QUANTITY CONTROL

Title (de)

VERFAHREN ZUM BETREIBEN EINES MAGNETVENTILS ZUR MENGENSTEUERUNG

Title (fr)

PROCEDE PERMETTANT D'ENTRAINER UNE VANNE MAGNETIQUE POUR UNE COMMANDE DE QUANTITE

Publication

EP 1740811 A1 20070110 (DE)

Application

EP 05717029 A 20050314

Priority

- EP 2005051147 W 20050314
- DE 102004019152 A 20040421

Abstract (en)

[origin: WO2005103469A1] The invention relates to a method for controlling a solenoid valve, especially in a motor vehicle. The inventive method is characterized by applying a first voltage (U_{-1}) to a coil (21) of the solenoid valve (22) until a first point in time (t_{-1}) and then applying a second voltage (U_{-2}), having a smaller value. The first point in time (t_{-1}) lies before the solenoid valve (22) has reached its final position.

IPC 8 full level

F02D 41/20 (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP US)

F02D 41/20 (2013.01 - EP US); **F02D 41/3845** (2013.01 - EP US); **F02D 2041/2017** (2013.01 - EP US); **F02D 2041/2037** (2013.01 - EP US);
Y10T 137/0318 (2015.04 - EP US)

Citation (search report)

See references of WO 2005103469A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

WO 2005103469 A1 20051103; WO 2005103469 A9 20080821; DE 102004019152 A1 20051117; DE 102004019152 B4 20070531;
EP 1740811 A1 20070110; JP 2007534879 A 20071129; US 2008198529 A1 20080821

DOCDB simple family (application)

EP 2005051147 W 20050314; DE 102004019152 A 20040421; EP 05717029 A 20050314; JP 2007508890 A 20050314;
US 58779506 A 20060731