

Title (en)

CIRCUIT ARRANGEMENT AND METHOD FOR OPERATING AN INJECTOR ARRANGEMENT

Title (de)

SCHALTUNGSANORDNUNG UND VERFAHREN ZUM BETREIBEN EINER INJEKTORANORDNUNG

Title (fr)

CIRCUIT ET PROCEDE POUR FAIRE FONCTIONNER UN ENSEMBLE D'INJECTEURS

Publication

EP 1848886 A1 20071031 (DE)

Application

EP 06707849 A 20060126

Priority

- EP 2006050461 W 20060126
- DE 102005007327 A 20050217

Abstract (en)

[origin: WO2006087259A1] The invention relates to a circuit arrangement (10a) for operating an injector arrangement (12a) for injecting fuel in an internal combustion engine of a motor vehicle. In order to obtain information easily as to the degree to which each valve is open when the injector arrangement is in operation, a measuring signal (S0) is superposed on a control voltage that is supplied to an actuator (Cpiezo, Rpiezo) and, based on an evaluation of the electrical properties of the actuator (Cpiezo, Rpiezo), a detection signal (S2) is produced that is representative of the position of the valve body (44a) relative to the valve seat (46a).

IPC 8 full level

F02D 41/20 (2006.01); **H01L 41/04** (2006.01)

CPC (source: EP US)

F02D 41/2096 (2013.01 - EP US); **F02D 2041/2055** (2013.01 - EP US); **F02D 2041/288** (2013.01 - EP US); **F02D 2200/063** (2013.01 - EP US)

Citation (search report)

See references of WO 2006087259A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006087259 A1 20060824; DE 102005007327 A1 20060831; DE 102005007327 B4 20100617; EP 1848886 A1 20071031; US 2008149072 A1 20080626; US 8096285 B2 20120117

DOCDB simple family (application)

EP 2006050461 W 20060126; DE 102005007327 A 20050217; EP 06707849 A 20060126; US 81651006 A 20060126