

Title (en)

Method and device for controlling a valve and method and device for controlling pump-nozzle unit with a valve

Title (de)

Verfahren und Vorrichtung zum Steuern eines Ventils und Verfahren und Vorrichtung zum Steuern einer Pumpe-Düse-Vorrichtung mit einem Ventil

Title (fr)

Méthode et dispositif de commande d'une soupape et méthode et dispositif de commande d'une pompe-injecteur avec soupape

Publication

EP 1519026 B1 20101229 (DE)

Application

EP 04022133 A 20040917

Priority

DE 10345226 A 20030929

Abstract (en)

[origin: EP1519026A2] A valve drive mechanism is designed as a piezoelectric actuator. At a preset time, a valve element (VE) moves into a valve seating (VS) from a position away from a VS. A signal characterizes a piezoelectric voltage (VINJ) and its branching-off is determined. A time is identified for the VE to meet the VS if the branching-off exceeds a preset first threshold value (SW1). An independent claim is also included for a device for the valve.

IPC 8 full level

F02D 41/20 (2006.01); **F02M 57/02** (2006.01); **F02M 59/36** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02D 41/2096 (2013.01); **F02M 57/02** (2013.01); **F02M 59/366** (2013.01); **F02M 63/0026** (2013.01); **F02D 2041/2055** (2013.01); **F02D 2041/2065** (2013.01)

Cited by

US8483933B2; WO2008071532A1; DE102015104471B4; CN113748272A; CN101558227A; WO2010133417A1; WO2010023041A1; WO2010133414A1; WO2017060076A1; US11920645B2; JP2010512486A

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