

Title (en)

METHOD FOR OPERATING A FUEL INJECTION DEVICE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUM BETREIBEN EINER KRAFTSTOFF-EINSPRITZVORRICHTUNG EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE POUR FAIRE FONCTIONNER UN DISPOSITIF D'INJECTION DE CARBURANT D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1841963 B1 20080827 (DE)

Application

EP 05815828 A 20051212

Priority

- EP 2005056668 W 20051212
- DE 102005002242 A 20050118

Abstract (en)

[origin: US2008125952A1] A fuel injection device of an internal combustion engine includes a piezoelectric actuator and a valve element that are coupled to one another. The valve element has a pressure stage. An increase in the force acting on the piezoelectric actuator is interpreted as an actual opening of the valve element, and/or a decrease in the force acting on the piezoelectric actuator is interpreted as an actual closing of the valve element, and that these be taken into account at least part of the time in the controlling of the piezoelectric actuator.

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 2041/1416** (2013.01 - EP US); **F02D 2041/2055** (2013.01 - EP US); **F02D 2200/063** (2013.01 - EP US)

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