

Title (en)  
Fuel injection system

Title (de)  
Brennstoffeinspritzanlage

Title (fr)  
Système d'injection de carburant

Publication  
**EP 1138919 B1 20050406 (EN)**

Application  
**EP 00106967 A 20000401**

Priority  
EP 00106967 A 20000401

Abstract (en)  
[origin: EP1138919A1] Fuel injection system and method for operating the fuel injection system, in which a piezoelectric element drives a valve for closing a pressurized fuel supply line by applying a voltage to said piezoelectric element, wherein the voltage necessary to close the pressurized fuel supply line is determined based upon the gradient or the derivative over time of the pressure in the pressurized fuel supply line. <IMAGE>

IPC 1-7  
**F02D 41/38**; **F02D 41/20**; **H01L 41/04**; **F02M 51/06**

IPC 8 full level  
**F02D 41/20** (2006.01); **F02D 41/24** (2006.01); **F02D 41/38** (2006.01); **F02M 47/02** (2006.01); **F02M 59/46** (2006.01)

CPC (source: EP)  
**F02D 41/2096** (2013.01); **F02D 41/2438** (2013.01); **F02D 41/247** (2013.01); **F02D 41/3827** (2013.01); **F02M 47/027** (2013.01); **F02M 63/0026** (2013.01); **F02D 2200/0602** (2013.01); **F02M 2200/703** (2013.01)

Cited by  
US2017074197A1; EP2022969A3; CN100379965C; CN107076090A; US7191051B2; US7930090B2; WO2004048763A1; WO2007144254A1

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DE

DOCDB simple family (publication)  
**EP 1138919 A1 20011004**; **EP 1138919 B1 20050406**; DE 60019262 D1 20050512; DE 60019262 T2 20060119

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