

Title (en)

ELECTRICALLY ACTUATED FUEL INJECTION VALVE FOR INTERNAL-COMBUSTION ENGINES

Publication

EP 0204070 B1 19890517 (DE)

Application

EP 86102635 A 19860228

Priority

DE 3517242 A 19850513

Abstract (en)

[origin: US4725003A] An electrically actuatable fuel-injection valve for internal combustion engines has a piezoelectric vibrator (1) provided with electrodes (2, 3). A fuel-receiving chamber (4) in the vibrator is in fuel-conducting communication with a fuel feed path (constriction 5) and an ejection opening (outlet opening). The fuel feed path as well as the ejection opening are so shaped that upon the application of a voltage to the electrodes (2, 3) the fuel is imparted a preferred movement (8) through the chamber to the ejection opening.

IPC 1-7

F02M 51/06

IPC 8 full level

F02M 51/04 (2006.01); **F02M 51/06** (2006.01)

CPC (source: EP US)

F02M 51/04 (2013.01 - EP US); **F02M 69/041** (2013.01 - EP US); **F02M 2200/21** (2013.01 - EP US); **Y10S 261/48** (2013.01 - EP US)

Cited by

EP0204068B1

Designated contracting state (EPC)

AT DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0204070 A1 19861210; EP 0204070 B1 19890517; AT E43154 T1 19890615; DE 3517242 A1 19861113; DE 3663383 D1 19890622; JP S61261657 A 19861119; US 4725003 A 19880216

DOCDB simple family (application)

EP 86102635 A 19860228; AT 86102635 T 19860228; DE 3517242 A 19850513; DE 3663383 T 19860228; JP 10781286 A 19860513; US 86148486 A 19860509