

Title (en)
Injector and corresponding operating method

Title (de)
Injektor und zugehöriges Betriebsverfahren

Title (fr)
Injecteur et procédé de fonctionnement correspondant

Publication
EP 1887214 B1 20160316 (DE)

Application
EP 07110619 A 20070620

Priority
DE 102006036781 A 20060807

Abstract (en)
[origin: EP1887214A2] The injector for a fuel injection system of an internal combustion engine comprises a nozzle needle (16) which is stroke-adjustable in an injector body (2) for controlling injection of fuel through at least one spray orifice (3). A piezoactuator (10) is arranged in the injector body for producing an actuator stroke, and a coupling device (21) is arranged in the body for stroke transmission between piezoactuator and nozzle needle. The nozzle needle is stroke-adjustable relative to the coupling device. An electromagnetic linear actuator (22) drives the nozzle needle in its stroke direction. An independent claim is included for a method for operating an injector in which for opening the nozzle needle the piezoactuator is deenergized and the linear actuator energized, and/or for closing the nozzle needle the piezoactuator is energized and the linear actuator deenergized.

IPC 8 full level
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CPC (source: EP)
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Citation (examination)
WO 2006010665 A1 20060202 - BOSCH GMBH ROBERT [DE], et al

Cited by
EP2256384A3; EP2369165A3

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DE FR GB IT

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