

Title (en)
Fuel injector

Title (de)
Kraftstoffinjektor

Title (fr)
Injecteur de carburant

Publication
EP 2246553 B1 20130410 (DE)

Application
EP 10154614 A 20100225

Priority
DE 102009002621 A 20090424

Abstract (en)
[origin: EP2246553A1] The injector has high pressure areas (2, 3) connected with a combustion chamber by nozzles (8) that are controlled by a servo-controlled nozzle needle (9). An actuator (20) controls pressure in a servo work space (15) of a servo piston (13), where partial cross section of the servo piston is pressurized by pressure in the high pressure areas against the pressure in the work space. The actuator is positively-coupled with a valve body (18) that controls a connection between an input side of the nozzles and the servo work space, where the work space communicates with the high pressure areas. The valve body is designed as a valve needle.

IPC 8 full level
F02M 47/02 (2006.01); **F02M 61/10** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 61/10** (2013.01); **F02M 63/0026** (2013.01); **F02M 2200/46** (2013.01); **F02M 2200/70** (2013.01); **F02M 2547/005** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2246553 A1 20101103; EP 2246553 B1 20130410; DE 102009002621 A1 20101028

DOCDB simple family (application)
EP 10154614 A 20100225; DE 102009002621 A 20090424