

Title (en)

Fuel injection valve

Title (de)

Kraftstoffeinspritzdüse

Title (fr)

Injecteur de carburant

Publication

EP 1724462 A2 20061122 (DE)

Application

EP 06110841 A 20060308

Priority

DE 102005020832 A 20050504

Abstract (en)

The valve has a valve body (2) with two spraying holes (10, 13) with an axially adjustable needle (4) provided in the nozzle body. The needle steers the injection of fuel at high pressure by the spraying holes. Two needles (4, 5) are arranged in a common cavity (15) having a control surface working in closing direction (16, 17). In a first valve position the connection of both expiration throttles closes for execution and in a second valve position both expiration throttles connects with the expiration and in a third valve position both expiration throttles connects with the expiration.

IPC 8 full level

F02M 45/08 (2006.01); **F02M 47/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02M 45/12 (2013.01); **F02M 47/027** (2013.01); **F02M 63/0045** (2013.01); **F02M 2200/46** (2013.01)

Cited by

EP1939440A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1724462 A2 20061122; **EP 1724462 A3 20070321**; DE 102005020832 A1 20061109

DOCDB simple family (application)

EP 06110841 A 20060308; DE 102005020832 A 20050504