

Title (en)  
Fuel injection device

Title (de)  
Kraftstoffeinspritzvorrichtung

Title (fr)  
Dispositif d'injection de carburant

Publication  
**EP 1892409 B1 20101215 (DE)**

Application  
**EP 07014372 A 20070721**

Priority  
DE 102006039263 A 20060822

Abstract (en)  
[origin: EP1892409A2] The device has a high pressure area (36) of a pressure amplifier (28) connected permanently with a leakage line (42) over a return valve (56), and an amplifier area (32) of the amplifier connected with a 3/ 2 port valve (40), which connects the amplifier area with a pressure storage area (24) or the line. Another 3/ 2 port valve (44) provided in a connection line (38) between the area (24) and a pressure chamber (16), connects the chamber alternatively with the area (24) or the leakage line. Buffer storage (54) and a pressure control valve (52) are arranged in the leakage line. An independent claim is also included for a procedure for the operation of a fuel injecting device.

IPC 8 full level  
**F02M 55/00** (2006.01); **F02M 63/00** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)  
**F02M 47/02** (2013.01); **F02M 55/02** (2013.01); **F02M 57/025** (2013.01); **F02M 61/10** (2013.01); **F02M 63/0007** (2013.01); **F02M 2200/315** (2013.01); **F02M 2200/40** (2013.01)

Cited by  
DE102014210779A1; US11459990B2; WO2019243020A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1892409 A2 20080227**; **EP 1892409 A3 20090527**; **EP 1892409 B1 20101215**; AT E491883 T1 20110115; DE 102006039263 A1 20080306; DE 502007005929 D1 20110127

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