

Title (en)
FUEL INJECTION VALVE DEVICE

Title (de)
KRAFTSTOFFEINSPRITZVENTILEINRICHTUNG

Title (fr)
DISPOSITIF À SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 2084391 B1 20110413 (DE)

Application
EP 07819977 A 20070828

Priority
• EP 2007058914 W 20070828
• DE 102006049830 A 20061023

Abstract (en)
[origin: DE102006049830A1] The device has a valve piston end (41) including a blind hole (54) extending in an axial direction, where the piston end is opened to a valve control chamber (48). The blind hole extends in an area of a guiding section (39), where the blind hole is formed by a central blind hole. The chamber and the guiding section are provided in a common recess (38) of a housing body. Fuel inlet and outlet channels (50, 49) are started from the recess that has a shape of a straight circular cylinder. The piston end is guided in an axial direction in the guiding section.

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

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 63/0031** (2013.01); **F02M 63/0077** (2013.01); **F02M 2200/16** (2013.01); **F02M 2547/003** (2013.01)

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)
DE 102006049830 A1 20080424; AT E505639 T1 20110415; CN 101529079 A 20090909; CN 101529079 B 20120606;
DE 502007006957 D1 20110526; EP 2084391 A1 20090805; EP 2084391 B1 20110413; WO 2008049665 A1 20080502

DOCDB simple family (application)
DE 102006049830 A 20061023; AT 07819977 T 20070828; CN 200780039536 A 20070828; DE 502007006957 T 20070828;
EP 07819977 A 20070828; EP 2007058914 W 20070828