

Title (en)
FUEL INJECTION DEVICE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
KRAFTSTOFF-EINSPRITZVORRICHTUNG FÜR EINE BRENNKRAFTMASCHINE

Title (fr)
DISPOSITIF D'INJECTION DE CARBURANT POUR UN MOTEUR À COMBUSTION INTERNE

Publication
EP 2032834 B1 20110921 (DE)

Application
EP 07728518 A 20070425

Priority
• EP 2007054063 W 20070425
• DE 102006026877 A 20060609

Abstract (en)
[origin: US2009184183A1] A fuel injection device for an internal combustion engine includes a housing and a valve element arranged within the housing. The valve element interacts with a valve seat lying in the region of a fuel outlet opening. It is proposed that at least one control piston and a nozzle needle of the valve element be coupled to one another via a hydraulic coupler. The hydraulic coupler has a coupling space and a non-return valve connected to the coupling space and which opens away therefrom.

IPC 8 full level
F02M 61/16 (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)
F02M 47/027 (2013.01 - EP US); **F02M 61/167** (2013.01 - EP US); **F02M 63/0054** (2013.01 - EP US); **F02M 2200/705** (2013.01 - EP US); **F02M 2200/706** (2013.01 - EP US)

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