

Title (en)

Fuel injector with hydraulic coupling unit

Title (de)

Kraftstoffinjektor mit hydraulischer Kopplereinheit

Title (fr)

Injecteur de carburant doté d'une unité de couplage hydraulique

Publication

EP 2388467 B1 20130213 (DE)

Application

EP 11162204 A 20110413

Priority

DE 102010029123 A 20100519

Abstract (en)

[origin: EP2388467A2] The fuel injector comprises a hydraulic coupler unit (20) having a coupler piston (22) and a valve piston (23), where the coupler piston is pre-stressed by a pretension spring (40). The coupler unit is arranged in a low pressure space (12), where the coupler unit comprises a compressed reservoir (50) which is formed at the coupler piston. The compressed reservoir is limited with a flexible wall (51) for the low pressure space.

IPC 8 full level

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

CPC (source: EP)

F02M 47/027 (2013.01); **F02M 63/0057** (2013.01); **F02M 2200/315** (2013.01); **F02M 2200/703** (2013.01); **F02M 2200/8038** (2013.01); **F02M 2200/8084** (2013.01)

Cited by

DE102014226673A1; EP3035520A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2388467 A2 201111123; **EP 2388467 A3 20120104**; **EP 2388467 B1 20130213**; CN 102251894 A 201111123; CN 102251894 B 20150708; DE 102010029123 A1 20111124

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