

Title (en)
Fuel injector

Title (de)
Kraftstoffeinspritzventil

Title (fr)
Injecteur de carburant

Publication
EP 1854995 A1 20071114 (EN)

Application
EP 06252441 A 20060509

Priority
EP 06252441 A 20060509

Abstract (en)
A fuel injector comprising an injector body 1 having a tip portion 2 defining a spray aperture 3, a pintle 5 extending within the tip portion 2, the pintle 2 having an external head 6 engageable with the spray aperture 3 to seal the spray aperture 3; a return spring 7 biasing the pintle 2 to a retracted position; solenoid actuating means 11,12 for selectively moving the pintle 2 into an extended position; control means being provided for varying the peak/hold current applied to the solenoid to vary the pintle stroke as a function of peak/hold current applied to the solenoid.

IPC 8 full level
F02M 61/08 (2006.01); **F02M 51/06** (2006.01); **F02M 61/06** (2006.01); **F02M 61/20** (2006.01)

CPC (source: EP)
F02M 51/061 (2013.01); **F02M 61/06** (2013.01); **F02M 61/08** (2013.01); **F02M 61/20** (2013.01); **F02M 2200/306** (2013.01)

Citation (search report)
• [X] DE 10318244 A1 20041118 - BAYERISCHE MOTOREN WERKE AG [DE]
• [X] US 5141164 A 19920825 - OHNO EISHI [JP], et al
• [X] US 5836521 A 19981117 - HOLM KARL [DK], et al
• [X] EP 0404330 A1 19901227 - GEN MOTORS CORP [US]
• [A] US 5730369 A 19980324 - DE NAGEL STEPHEN FRANCIS [US], et al
• [A] US 5983855 A 19991116 - BENEDIKT WALTER [DE], et al

Cited by
DE102013209236A1

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)
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