

Title (en)
FUEL INJECTOR

Title (de)
KRAFTSTOFFEINSPRITZVENTIL

Title (fr)
INJECTEUR DE CARBURANT

Publication
EP 2944798 A1 20151118 (EN)

Application
EP 15164359 A 20150421

Priority
GB 201408425 A 20140513

Abstract (en)
A nozzle body (16) of a fuel injector (10) has an inner space extending along a main axis (A) and adapted to receive a slidably arranged valve needle (14), the inner space being divided in an upstream cylindrical chamber (38) and, a downstream cylindrical chamber (40). The nozzle body (16) is further provided with an inter-chambers (42) portion having a cylindrical tubular wall (44) axially protruding in the upstream chamber (38) and being adapted to cooperate, in use, with the valve needle (14) to define a throttle (28) inducing a fuel pressure drop.

IPC 8 full level
F02M 47/02 (2006.01); **F02M 61/04** (2006.01); **F02M 61/10** (2006.01); **F02M 61/12** (2006.01); **F02M 61/16** (2006.01); **F02M 61/20** (2006.01)

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 61/042** (2013.01); **F02M 61/10** (2013.01); **F02M 61/12** (2013.01); **F02M 61/168** (2013.01); **F02M 61/205** (2013.01); **F02M 2200/28** (2013.01); **F02M 2547/003** (2013.01)

Citation (search report)
• [A] EP 1988276 A1 20081105 - DELPHI TECH INC [US]
• [AD] EP 0971118 A2 20000112 - ISUZU MOTORS LTD [JP]
• [A] WO 2013034543 A1 20130314 - DELPHI TECH HOLDING SARL [LU], et al
• [A] EP 1422417 A1 20040526 - ORANGE GMBH [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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