

Title (en)

Active armature lift setting of fuel injectors

Title (de)

Aktive Ankerhubeinstellung bei Kraftstoffinjektoren

Title (fr)

Arrangement actif de levée d'armature des injecteurs de carburant

Publication

EP 1744054 A1 20070117 (DE)

Application

EP 06114059 A 20060517

Priority

DE 102005032461 A 20050712

Abstract (en)

The method involves subjecting of the load on the armature pin in the closing position of the closing element (16), whereby the armature pin (21) causes the push, thereby changing the armature stroke. The fuel injector (1) comprises a solenoid valve with an integrated fuel recirculation (11) and an injector body with a valve piece (4).

IPC 8 full level

F02M 61/16 (2006.01); **F02M 47/02** (2006.01); **F02M 59/46** (2006.01)

CPC (source: EP)

F02M 47/025 (2013.01); **F02M 47/027** (2013.01); **F02M 61/161** (2013.01); **F02M 61/168** (2013.01); **F02M 63/0022** (2013.01); **F02M 63/0031** (2013.01); **F02M 63/022** (2013.01); **F02M 63/0015** (2013.01); **F02M 63/004** (2013.01); **F02M 63/0043** (2013.01); **F02M 2200/8092** (2013.01); **F02M 2200/9007** (2013.01); **F02M 2547/003** (2013.01)

Citation (search report)

- [A] EP 1429350 A2 20040616 - BOSCH GMBH ROBERT [DE]
- [A] WO 9530830 A1 19951116 - BOSCH GMBH ROBERT [DE], et al
- [A] DE 2936425 A1 19810402 - BOSCH GMBH ROBERT
- [A] US 4399944 A 19830823 - KRAUSS RUDOLF [DE], et al
- [A] DE 3340753 A1 19840517 - DIESEL KIKI CO [JP]

Cited by

CN107869399A; EP2256335A1; FR2988021A1; DE102013227063A1; US9097228B2; WO2013135451A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK YU

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