

Title (en)
Retaining holder for fuel injector

Title (de)
Niederhalter für ein Brennstoffeinspritzventil

Title (fr)
Serre-flan pour injecteur de carburant

Publication
EP 1482168 B1 20070725 (DE)

Application
EP 04020734 A 20010531

Priority
• DE 10027662 A 20000603
• EP 01951353 A 20010531

Abstract (en)
[origin: DE10027662A1] The sealing unit (2) for a fuel injection valve (1) in a bore (3) of a cylinder head (4) comprises a main body (15) with an axial bore (16) with an enlarged section (18) which accommodates a sealing element (17). The respective bearing faces of the main body lie at least indirectly against the face of the injection valve and the face of the step in the bore (3). Also claimed is a holding down unit (22) for a fuel injection valve (1). This unit takes the form of an incomplete ring which is joined to a lever arm (24) fixable to the cylinder head by means of a screw. The gap in the ring mates with a housing element of the injection valve, and prevents rotation of the latter.

IPC 8 full level
F02F 1/24 (2006.01); **F02M 61/14** (2006.01); **F02F 11/00** (2006.01); **F02M 61/16** (2006.01); **F16J 15/12** (2006.01)

CPC (source: EP KR US)
F02M 61/14 (2013.01 - EP KR US); **F02M 2200/858** (2013.01 - EP US)

Cited by
EP2587047A1; WO2007054499A1; WO2010081575A3

Designated contracting state (EPC)
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DOCDB simple family (publication)
DE 10027662 A1 20011206; BR 0106711 A 20020416; CN 1394256 A 20030129; DE 50104696 D1 20050105; DE 50112774 D1 20070906; EP 1290338 A2 20030312; EP 1290338 B1 20041201; EP 1482168 A1 20041201; EP 1482168 B1 20070725; JP 2003536019 A 20031202; KR 100744961 B1 20070802; KR 20020020803 A 20020315; US 2002162538 A1 20021107; US 2005016501 A1 20050127; US 6811102 B2 20041102; US 7261246 B2 20070828; WO 0194776 A2 20011213; WO 0194776 A3 20020801

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