

Title (en)

INTERMEDIATE ELEMENT FOR A FUEL INJECTION VALVE

Title (de)

ZWISCHENELEMENT FÜR EIN BRENNSTOFFEINSPRITZVENTIL

Title (fr)

ELEMENT INTERMEDIAIRE POUR UNE SOUPAPE D'INJECTION DE CARBURANT

Publication

**EP 1861616 A1 20071205 (DE)**

Application

**EP 06704682 A 20060119**

Priority

- EP 2006050301 W 20060119
- DE 102005011574 A 20050314

Abstract (en)

[origin: WO2006097374A1] An intermediate element (8) for a fuel injection valve (1) placed in a cylinder head (2) of an internal combustion engine is situated between a valve housing (10) of the fuel injection valve (1) and a wall (11) of a location hole (9) of the cylinder head (2) and/or between the valve housing (10) and a clamping claw (14), which holds down the fuel injection valve (1) inside the cylinder head (2). The intermediate element (8) is made of a number of layers (15) of different structures and/or of different materials.

IPC 8 full level

**F02M 61/14** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)

**F02M 61/14** (2013.01 - EP US); **F02M 61/166** (2013.01 - EP US); **F02M 2200/09** (2013.01 - EP US)

Citation (search report)

See references of WO 2006097374A1

Citation (examination)

- JP H08254244 A 19961001 - SUMITOMO METAL IND
- JP H02179738 A 19900712 - AICHI STEEL WORKS LTD

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**DE 102005011574 A1 20060921**; EP 1861616 A1 20071205; JP 2008533374 A 20080821; US 2009050113 A1 20090226; US 7765985 B2 20100803; WO 2006097374 A1 20060921

DOCDB simple family (application)

**DE 102005011574 A 20050314**; EP 06704682 A 20060119; EP 2006050301 W 20060119; JP 2008501251 A 20060119; US 88319206 A 20060119