

Title (en)

COMPENSATION ELEMENT FOR A FUEL INJECTION VALVE

Title (de)

AUSGLEICHSELEMENT FÜR EIN BRENNSTOFFEINSPIRZVENTIL

Title (fr)

ELEMENT DE COMPENSATION POUR SOUPAPE D'INJECTION DE CARBURANT

Publication

**EP 1364119 A1 20031126 (DE)**

Application

**EP 02714056 A 20020222**

Priority

- DE 0200660 W 20020222
- DE 10108466 A 20010222

Abstract (en)

[origin: WO02066822A1] The invention relates to a compensation element for positioning and supporting a fuel injection valve (1) in a cylinder head (2) of an internal combustion engine. Said element is embodied in the form of a support ring (8) and is arranged between a housing (13) of the fuel injection valve (1) and a wall (10) of a receiving bore hole (9) of the cylinder head (2). The support ring (8) has a round or oval cross-section and separates a shoulder (14) of the valve housing (13) from a shoulder (15) of the cylinder head (2).

IPC 1-7

**F02M 61/14**

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 61/14** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)

**F02M 61/14** (2013.01 - EP US)

Citation (search report)

See references of WO 02066822A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 02066822 A1 20020829**; CZ 20023458 A3 20040512; DE 10108466 A1 20020905; DE 50209159 D1 20070215; EP 1364119 A1 20031126; EP 1364119 B1 20070103; JP 2004518853 A 20040624; US 2003145832 A1 20030807; US 6807945 B2 20041026

DOCDB simple family (application)

**DE 0200660 W 20020222**; CZ 20023458 A 20020222; DE 10108466 A 20010222; DE 50209159 T 20020222; EP 02714056 A 20020222; JP 2002566113 A 20020222; US 25832203 A 20030129