

Title (en)

Arrangement of an injector and cylinder head gasket and method of assembly

Title (de)

Anordnung mit einem Injektor und einer Zylinderkopfabdichtung sowie entsprechendes Montageverfahren

Title (fr)

Agencement d'un injecteur et joint de culasse et procédé de montage

Publication

EP 1338783 A3 20031105 (DE)

Application

EP 03100347 A 20030214

Priority

DE 10207287 A 20020221

Abstract (en)

[origin: EP1338783A2] Arrangement comprises an injector (1) held in an opening (5) in a cylinder head cover (7) in a cylinder head. An adapter (3) fixed to the injector closes and seals the opening in the cylinder head cover. Independent claims are also included for the following: (1) Adapter used in the above arrangement; and (2) Process for assembling an injector in an opening in a cylinder head cover. The adapter is made in one piece with a socket molding of the injector. The materials of the adapter and the cylinder head cover have at least similar thermal expansion coefficients. A sealing element (11) is arranged in the axial direction between the adapter and the cylinder head cover.

IPC 1-7

F02F 11/00; **F02F 1/24**; **F16J 15/08**; **F02F 7/00**

IPC 8 full level

F02F 1/24 (2006.01); **F02M 61/14** (2006.01)

CPC (source: EP)

F02F 1/242 (2013.01); **F02M 61/14** (2013.01); **F02M 2200/858** (2013.01)

Citation (search report)

- [A] US 5699770 A 19971223 - MATSUMOTO SHUICHI [JP], et al
- [A] US 4922880 A 19900508 - SEIBT ARTUR [AT], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 26 1 July 2002 (2002-07-01)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 22 9 March 2001 (2001-03-09)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 02 5 February 2003 (2003-02-05)

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CN104136756A; DE202008014950U1; CN114423939A; WO2013139598A1; WO2020126765A1; US10760669B2

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