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### (54) Injector clamp and assembly

(57) An injector clamp (80) for securely clamping a plurality of fuel injectors (14) to an engine housing (16) is described. The clamp comprises a plurality of rigid clamp regions (82) separated by flexible clamp regions (84), each of the clamp regions (82) providing clamping means (56) for clamping an injector (14) to the engine housing (16). The injector clamp (80) further comprises a fuel passageway (22) for fluidically connecting a high pressure fuel inlet to the plurality of fuel injectors. The flexible clamp regions (84) allow the injector clamp (80) to bend to adapt to variations of height of each fuel injector (14). An injector assembly suitable for mounting in an engine housing is also described.

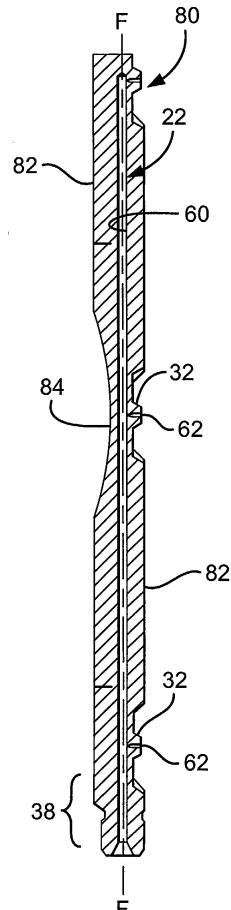


Fig.7b



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	EP 0 915 253 A (BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT) 12 May 1999 (1999-05-12) * figures * -----	1-5	INV. F02M61/14 F02M55/00
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X	EP 0 751 290 A (ISUZU MOTORS LIMITED) 2 January 1997 (1997-01-02) * column 5, line 27 - line 48; figures 4-6 * -----	1-3	
A	DE 101 52 261 A1 (ROBERT BOSCH GMBH) 30 April 2003 (2003-04-30) * figure 3 * -----	1-6	
D, A	EP 0 627 553 A (ADAM OPEL AG; GENERAL MOTORS ESPANA, S.A) 7 December 1994 (1994-12-07) * figures * -----	1-6	TECHNICAL FIELDS SEARCHED (IPC)
			F02M
3 The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		29 November 2005	Torle, E
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-6



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-6

An injector clamp for clamping a plurality of injectors, the clamp having rigid and flexible regions, each of the rigid clamp regions providing clamping means for clamping an injector to the engine.

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2. claims: 7-22

An injector assembly comprising a fuel injector and an injector clamp with a fuel passageway and a locating member engageable with the fuel injector.

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 25 2501

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-11-2005

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