

Title (en)
Injector mounting arrangement

Title (de)
Vorrichtung zur Befestigung eines Brennstoffeinspritzventils

Title (fr)
Dispositif de montage d'injecteur de carburant

Publication
EP 1764501 A1 20070321 (EN)

Application
EP 05255732 A 20050915

Priority
EP 05255732 A 20050915

Abstract (en)
An injector mounting arrangement for use in an engine includes a fuel injector (14) mounted upon an engine cylinder housing (10) and a clamping arrangement (24) including a clamping member (26; 42) for applying a clamping load to the injector (14) so as to clamp the injector (14) to the cylinder housing (10). The clamping member (26; 42) defines, together with the cylinder housing (10), a clamp/cylinder interface region and, together with the injector (14) or a part (34) carried thereby, a clamp/injector interface region. The injector mounting arrangement is characterised by the provision of a decoupling material (30, 130, 430) in at least one of the clamp/cylinder interface region and the clamp/injector interface region to decouple, respectively, the clamping member (26, 42) from the cylinder housing (10) and/or the clamping member (26; 42) from the injector (14) so as to damp or substantially prevent transmission of injector generated noise to the cylinder housing (10).

IPC 8 full level
F02M 61/14 (2006.01); **F02F 1/24** (2006.01)

CPC (source: EP)
F02F 1/242 (2013.01); **F02M 61/14** (2013.01)

Citation (search report)
• [X] EP 1262652 A2 20021204 - SIEMENS AG [DE]
• [X] EP 1134407 A1 20010919 - BAYERISCHE MOTOREN WERKE AG [DE]
• [A] EP 0878622 A1 19981118 - RENAULT [FR]

Cited by
FR2925651A1; CN102245890A; EP2072801A1; US8069842B2; US9057349B2; WO2010066586A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

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