

Title (en)

Fixing device for fixing a fuel injector in a cylinder head of a combustion engine

Title (de)

Befestigungsvorrichtung zur Befestigung eines Brennstoffeinspritzventils an einem Zylinderkopf einer Brennkraftmaschine

Title (fr)

Dispositif de fixation d'un injecteur de carburant sur une culasse de moteur à combustion interne

Publication

EP 1884657 A1 20080206 (EN)

Application

EP 06016348 A 20060804

Priority

EP 06016348 A 20060804

Abstract (en)

Fixing device (30) for fixing a fuel injector (18) in a cylinder head (14) of a combustion engine (22), comprising a tubular portion (32) including a central longitudinal axis (L), the tubular portion (32) being designed to engage the fuel injector (18) and to be rigidly coupled to the fuel injector (18), and projections (36) being formed in one piece with the tubular portion (32) and being bent away to extend from the tubular portion (32) outwards in radial direction. The projections (36) are comprising at least two force receiving areas (38) and are arranged and designed to receive a retaining force (F) in the force receiving areas (38), the retaining force (F) acting in the direction of the central longitudinal axis (L) to retain the fuel injector (18) in the cylinder head (14), two of the force receiving areas (38) substantially opposing each other radially relative to the central longitudinal axis (L), and the projections (36) are formed to directly follow the tubular portion (32) in the direction of the retaining force (F).

IPC 8 full level

F02M 61/14 (2006.01)

CPC (source: EP)

F02M 61/14 (2013.01); **F02M 61/168** (2013.01); **F02M 2200/8084** (2013.01)

Citation (applicant)

DE 10356856 A1 20050707 - SIEMENS AG [DE]

Citation (search report)

- [X] DE 10356856 A1 20050707 - SIEMENS AG [DE]
- [A] US 6170467 B1 20010109 - GIRARD DIDIER [FR]
- [A] GB 448173 A 19360603 - BOSCH ROBERT
- [A] US 6116219 A 20000912 - GIRARD DIDIER [FR]
- [A] JP H1182241 A 19990326 - NISSAN MOTOR

Cited by

EP1998038A1; WO2008101748A1

Designated contracting state (EPC)

DE FR IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1884657 A1 20080206; **EP 1884657 B1 20090715**; DE 602006007839 D1 20090827

DOCDB simple family (application)

EP 06016348 A 20060804; DE 602006007839 T 20060804