Title (en)

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

Title (de)

Befestigungsvorrichtung zum Befestigen einer Kraftstoffeinspritzdüse in einem Zylinderkopf eines Verbrennungsmotors

Title (fr)

Dispositif de fixation pour fixer un injecteur de combustible dans un tête de cylindre d'un moteur à combustion

Publication

EP 1998038 A1 20081203 (EN)

Application

EP 07010814 A 20070531

Priority

EP 07010814 A 20070531

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 (20) and to be rigidly coupable to the fuel injector (18), a supporting element (38) with a first axial end (48) and a second axial end (50), the second axial end (50) having a larger radial distance relative to the central longitudinal axis (L) than the first axial end (48), and the first axial end (48) being rigidly coupled to the tubular portion (32), a force receiving element (36) extending outwards in radial direction relative to the central longitudinal axis (L) from an inner coupling section (52) to an outer coupling section (54), the inner coupling section (52) being designed to be rigidly coupable to the fuel injector (18) and the outer coupling section (54) being rigidly coupled to the supporting element (38).

IPC 8 full level

F02M 61/14 (2006.01)

CPC (source: EP)

F02M 61/14 (2013.01); F02M 61/168 (2013.01)

Citation (applicant)

WO 02068815 A1 20020906 - BOSCH GMBH ROBERT [DE], et al

Citation (search report)

- [A] WO 02068815 A1 20020906 - BOSCH GMBH ROBERT [DE], et al
- [A] DE 10151004 A1 20030618 - VOLKSWAGEN AG [DE]
- [E] EP 1884657 A1 20080206 - SIEMENS AG [DE]

Cited by

CN103502623A; US2015101572A1; US9938948B2

Designated contracting state (EPC)

DE FR IT

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1998038 A1 20081203; **EP 1998038 B1 20100714**; DE 602007007739 D1 20100826; EP 2199592 A1 20100623; EP 2199592 B1 20111012

DOCDB simple family (application)

EP 07010814 A 20070531; DE 602007007739 T 20070531; EP 10001914 A 20070531