

Title (en)

Fastening device

Title (de)

Befestigungsvorrichtung

Title (fr)

Dispositif de fixation

Publication

**EP 1722099 B1 20090218 (DE)**

Application

**EP 06117773 A 20020227**

Priority

- EP 02719641 A 20020227
- DE 10109408 A 20010228

Abstract (en)

[origin: WO02068815A1] The invention relates to a fastening device for fastening a fuel injection valve (1) in a cylinder head (2) of an internal combustion engine. Said fastening device comprises at least one hold-down element (11), which is fastened to a face (12) of the cylinder head (3) and which fixes the fuel injection valve (1) in an accommodating boring (9) of the cylinder head (2). The at least one hold-down element (11) is supported on a shoulder (7), which is provided on a discharge-side end (6) of the fuel injection valve (1), and which at least partially encircles the fuel injection valve (1).

IPC 8 full level

**F02F 1/24** (2006.01); **F02M 61/14** (2006.01); **F02M 69/46** (2006.01)

CPC (source: EP US)

**F02M 61/14** (2013.01 - EP US); **F02M 69/465** (2013.01 - EP US)

Citation (examination)

WO 0036295 A1 20000622 - BOSCH GMBH ROBERT [DE], et al

Cited by

EP3054149A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 02068815 A1 20020906**; CN 1457393 A 20031119; CZ 20023489 A3 20040512; DE 10109408 A1 20020905; DE 50208596 D1 20061214; DE 50213305 D1 20090402; EP 1366285 A1 20031203; EP 1366285 B1 20061102; EP 1722099 A2 20061115; EP 1722099 A3 20061129; EP 1722099 B1 20090218; JP 2004518863 A 20040624; US 2003154961 A1 20030821; US 6772736 B2 20040810

DOCDB simple family (application)

**DE 0200696 W 20020227**; CN 02800451 A 20020227; CZ 20023489 A 20020227; DE 10109408 A 20010228; DE 50208596 T 20020227; DE 50213305 T 20020227; EP 02719641 A 20020227; EP 06117773 A 20020227; JP 2002567695 A 20020227; US 27505303 A 20030416