

Title (en)

Fuel injector for internal combustion engines

Title (de)

Kraftstoffinjektor für Verbrennungskraftmaschinen

Title (fr)

Injecteur de carburant pour des moteurs a combustion interne

Publication

**EP 1705369 A1 20060927 (DE)**

Application

**EP 06100421 A 20060117**

Priority

DE 102005009147 A 20050301

Abstract (en)

The fuel injector (1) has an injection valve (10) triggered by an actuator (8) and having a coupler chamber (44). The actuator actuates the injection valve to open and close an injection opening (12). The coupler chamber is located on the side of the actuator diametrically opposite the injection valve, and is filled with fuel that is at system pressure when the injection opening is closed.

IPC 8 full level

**F02M 61/16** (2006.01); **F02M 51/06** (2006.01)

CPC (source: EP US)

**F02M 51/0603** (2013.01 - EP US); **F02M 61/167** (2013.01 - EP US)

Citation (applicant)

- EP 0995901 A1 20000426 - LUCAS INDUSTRIES LTD [GB]
- DE 10220498 A1 20021128 - CUMMINS ENGINE CO INC [US]

Citation (search report)

- [X] EP 1079158 A2 20010228 - SIEMENS AG [DE]
- [X] US 6758409 B1 20040706 - ITOH KATSUOKI [DE]
- [A] EP 1079099 A2 20010228 - SIEMENS AG [DE]
- [A] DE 10035168 A1 20020207 - SIEMENS AG [DE]
- [PA] EP 1519037 A1 20050330 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1705369 A1 20060927**; DE 102005009147 A1 20060907; US 2006196975 A1 20060907; US 7309027 B2 20071218

DOCDB simple family (application)

**EP 06100421 A 20060117**; DE 102005009147 A 20050301; US 36274706 A 20060228