

Title (en)
Fuel injector

Title (de)
Kraftstoff-Injektor

Title (fr)
Injecteur de carburant

Publication
EP 2116717 A3 20091202 (DE)

Application
EP 09100169 A 20090306

Priority
DE 102008001597 A 20080506

Abstract (en)
[origin: EP2116717A2] The injector (1) has an injection valve element (11) adjustable between a closing position and an opening position. A control valve (32) is provided for switching the injection valve element between the closing and opening positions. The control valve exhibits a sleeve-like control valve element (31) that is adjustable along an adjustment axis (30). The control valve element rests sealingly on a control valve seat element (41) in a closing position of the control valve element. The control valve seat element is movably arranged relative to the adjustment axis of the control valve element.

IPC 8 full level
F02M 47/02 (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)
F02M 47/027 (2013.01 - EP US); **F02M 63/0042** (2013.01 - EP US); **F02M 63/0071** (2013.01 - EP US); **F02M 63/0077** (2013.01 - EP US); **F02M 63/008** (2013.01 - EP US); **F02M 63/007** (2013.01 - EP US)

Citation (search report)

- [X] DE 102006050042 A1 20080430 - BOSCH GMBH ROBERT [DE]
- [A] DE 102006050812 A1 20080430 - BOSCH GMBH ROBERT [DE]
- [A] GB 2341893 A 20000329 - LUCAS INDUSTRIES LTD [GB]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2116717 A2 20091111; **EP 2116717 A3 20091202**; **EP 2116717 B1 20110928**; DE 102008001597 A1 20091112; US 2009277421 A1 20091112; US 7987835 B2 20110802

DOCDB simple family (application)
EP 09100169 A 20090306; DE 102008001597 A 20080506; US 43495409 A 20090504