

Title (en)

Injector for a fuel supply system of a combustion engine and fuel supply system

Title (de)

Injektor für eine Kraftstoffversorgungsanlage einer Brennkraftmaschine sowie Kraftstoffversorgungsanlage

Title (fr)

Injecteur pour une installation d'alimentation en carburant d'un moteur à combustion et installation d'alimentation en carburant

Publication

EP 2664782 B1 20180829 (DE)

Application

EP 13166455 A 20130503

Priority

DE 102012208075 A 20120515

Abstract (en)

[origin: EP2664782A1] The injector (1) has an injection nozzle (2), a control valve (3) and a holding body, where the injection nozzle and the control valve form a braced combination (6). The combination is assembled on the holding body as a unit and is disassembled from the holding body as a unit. An intermediate plate, particularly a valve plate (4) or a throttle plate (5) is positioned between the injection nozzle and the control valve. The intermediate plate together with the injection nozzle and the control valve is braced to the combination. An independent claim is included for a fuel supply system for an internal combustion engine, which has a pump unit.

IPC 8 full level

F02M 61/16 (2006.01)

CPC (source: EP KR US)

F02M 41/16 (2013.01 - US); **F02M 59/48** (2013.01 - KR); **F02M 61/00** (2013.01 - KR); **F02M 61/14** (2013.01 - KR);
F02M 61/168 (2013.01 - EP US); **F02M 2200/8023** (2013.01 - EP US); **F02M 2200/803** (2013.01 - EP US); **F02M 2200/8076** (2013.01 - EP US)

Citation (examination)

- WO 2005066487 A1 20050721 - SIEMENS AG [DE], et al
- DE 102010001311 A1 20110818 - BOSCH GMBH ROBERT [DE]

Cited by

DE102013018177A1; DE102013018177B4; WO2015078544A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2664782 A1 20131120; **EP 2664782 B1 20180829**; CN 103423052 A 20131204; CN 103423052 B 20181012;
DE 102012208075 A1 20131121; JP 2013238226 A 20131128; JP 6388323 B2 20180912; KR 20130127933 A 20131125;
US 10174729 B2 20190108; US 2014007845 A1 20140109

DOCDB simple family (application)

EP 13166455 A 20130503; CN 201310178812 A 20130515; DE 102012208075 A 20120515; JP 2013099955 A 20130510;
KR 20130053781 A 20130513; US 201313894145 A 20130514