

Title (en)

FUEL INJECTOR AND INTERNAL COMBUSTION ENGINE HAVING A FUEL INJECTOR

Title (de)

KRAFTSTOFF-INJEKTOR SOWIE BRENNKRAFTMASCHINE MIT KRAFTSTOFF-INJEKTOR

Title (fr)

INJECTEUR DE CARBURANT ET MOTEUR À COMBUSTION INTERNE MUNI D'UN INJECTEUR DE CARBURANT

Publication

**EP 2387662 A2 20111123 (DE)**

Application

**EP 09755907 A 20091119**

Priority

- EP 2009065434 W 20091119
- DE 102009000285 A 20090119

Abstract (en)

[origin: WO2010081575A2] The invention relates to a fuel injector (1), in particular a common rail injector, for injecting fuel into a combustion chamber (9) of an internal combustion engine (5), having a nozzle body (8) designed for protruding into the combustion chamber (9) and tightened to a retaining element by means of a nozzle clamping nut (3), and having a seal (6) for sealing off the combustion chamber (9) from a nozzle body area.

IPC 8 full level

**F02M 61/14** (2006.01); **F02M 61/16** (2006.01); **F16J 15/12** (2006.01)

CPC (source: EP US)

**F02M 61/14** (2013.01 - EP US); **F02M 61/166** (2013.01 - EP US); **F16J 15/121** (2013.01 - EP US); **F02M 2200/8053** (2013.01 - EP US); **F02M 2200/858** (2013.01 - EP US)

Citation (search report)

See references of WO 2010081575A2

Citation (examination)

US 2004040543 A1 20040304 - MICKELSON MICHAEL [US]

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 SM TR

DOCDB simple family (publication)

**DE 102009000285 A1 20100722**; BR PI0924048 A2 20160126; CN 102282359 A 20111214; EP 2387662 A2 20111123; US 2011272495 A1 20111110; WO 2010081575 A2 20100722; WO 2010081575 A3 20101125; WO 2010081575 A9 20110922

DOCDB simple family (application)

**DE 102009000285 A 20090119**; BR PI0924048 A 20091119; CN 200980154973 A 20091119; EP 09755907 A 20091119; EP 2009065434 W 20091119; US 200913145137 A 20091119