

Title (en)

Apparatus for delivering fuel and fuel supply system

Title (de)

Vorrichtung für die Zufuhr von Kraftstoff und Kraftstoffversorgungssystem

Title (fr)

Appareil permettant de fournir du carburant et système de fourniture de carburant

Publication

EP 2495428 A1 20120905 (EN)

Application

EP 11156989 A 20110304

Priority

EP 11156989 A 20110304

Abstract (en)

An apparatus for delivering fuel to a combustion engine comprises a fuel pump (110) with an electromagnetic or piezoelectric actuator (203) for driving the piston (202) and a fuel injector (106) that is hydraulically and mechanically coupled to an outlet (210) of the fuel pump (110). The fuel injector (106) comprises an open state in which a flow-through of the fuel through the fuel injector (106) is enabled and a closed state in which the flow-through of the fuel through the fuel injector (106) is prevented, wherein the fuel injector is designed to be shifted from the closed state to the open state due to the pressure affected by the pressurised fuel of the fuel pump (110).

IPC 8 full level

F02M 57/02 (2006.01)

CPC (source: EP)

F02M 57/027 (2013.01)

Citation (search report)

- [X] EP 1367255 A1 20031203 - XI DAGUANG [CN], et al
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- [X] DE 102008007349 A1 20090806 - BOSCH GMBH ROBERT [DE]
- [X] US 2010101537 A1 20100429 - ALLEN JEFFREY [GB], et al
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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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