

Title (en)

Fuel nozzle with device for extracting fuel steams

Title (de)

Zapfventil mit Einrichtung zur Absaugung von Kraftstoffdämpfen

Title (fr)

Buse de distribution dotée d'un dispositif d'aspiration de vapeur de carburant

Publication

EP 2163513 A3 20100922 (DE)

Application

EP 09010761 A 20090821

Priority

DE 102008047523 A 20080916

Abstract (en)

[origin: EP2163513A2] The nozzle i.e. petrol pump nozzle (1), has a float slidably supported outside an operating magnet housing. The float is acted on by inflowing fuel, and movable from a starting position against effect of a return spring. The float has a float magnet and is magnetically coupled with an actuation magnet. An operating magnet continuously opens and closes a gas valve i.e. proportional valve, based on displacement of the operating magnet. The actuation and the operating magnets are formed as permanent magnets.

IPC 8 full level

B67D 7/54 (2010.01)

CPC (source: EP)

B67D 7/54 (2013.01); **B67D 2007/545** (2013.01)

Citation (search report)

- [AD] DE 4431547 C1 19951012 - EHLERS KARLHEINZ [DE]
- [A] DE 4028571 C1 19920206

Cited by

EP3978425A1; CN107176583A; WO2011037958A1; US8371341B2

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2163513 A2 20100317; EP 2163513 A3 20100922; EP 2163513 B1 20111012; AT E528255 T1 20111015; AU 2009213108 A1 20100401; AU 2009213108 B2 20131114; CN 101676196 A 20100324; CN 101676196 B 20130501; DE 102008047523 B3 20100429; DK 2163513 T3 20120130; ES 2375019 T3 20120224; HK 1141780 A1 20101119; NZ 579613 A 20100326; PL 2163513 T3 20120330; PT 2163513 E 20120116

DOCDB simple family (application)

EP 09010761 A 20090821; AT 09010761 T 20090821; AU 2009213108 A 20090915; CN 200910175104 A 20090916; DE 102008047523 A 20080916; DK 09010761 T 20090821; ES 09010761 T 20090821; HK 10108327 A 20100902; NZ 57961309 A 20090911; PL 09010761 T 20090821; PT 09010761 T 20090821