

Title (en)

Fuel injection system and fuel injection valve device used in fuel injection system

Title (de)

Kraftstoffeinspritzsystem und Ventilvorrichtung dafür

Title (fr)

Système d'injection de carburant et dispositif d'injecteur de carburant utilisé dans un système d'injection de carburant

Publication

EP 1803928 A3 20090318 (EN)

Application

EP 06127006 A 20061222

Priority

JP 2005377673 A 20051228

Abstract (en)

[origin: EP1803928A2] A fuel injection system (10a) includes: a fuel hose (17); a fuel supply tube (18) having one end integrally connected with the fuel hose (17); a fuel injection valve device (16) provided with a nozzle portion (30) having an injection port (34) for supplying a fuel introduced from a fuel tank through the fuel hose (17) to a combustion chamber of an internal combustion engine through a connection tube (32) and connected with the other end of the fuel supply tube (18); an intake path (20) communicating with the combustion chamber; and an intake pipe (14) to which the nozzle portion (30) of the fuel injection valve device (16) is attached.

IPC 8 full level

F02M 61/14 (2006.01); **F02M 69/04** (2006.01); **F02M 69/46** (2006.01)

CPC (source: EP)

F02M 61/145 (2013.01); **F02M 69/044** (2013.01); **F02M 69/462** (2013.01)

Citation (search report)

- [X] US 2001025619 A1 20011004 - SUZUKI KOJI [JP], et al
- [X] DE 2614288 A1 19771006 - BAYERISCHE MOTOREN WERKE AG
- [X] DE 3806906 A1 19890914 - OPEL ADAM AG [DE]
- [DA] JP 2003049740 A 20030221 - KEIHIN CORP

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1803928 A2 20070704; **EP 1803928 A3 20090318**; **EP 1803928 B1 20101117**; CN 1991161 A 20070704; CN 1991161 B 20110608; ES 2356557 T3 20110411; JP 2007177711 A 20070712; JP 4344727 B2 20091014; MY 144149 A 20110815; TW 200724781 A 20070701; TW I326739 B 20100701

DOCDB simple family (application)

EP 06127006 A 20061222; CN 200610171111 A 20061222; ES 06127006 T 20061222; JP 2005377673 A 20051228; MY PI20064760 A 20061222; TW 95140279 A 20061031