

Title (en)
FUEL INJECTION VALVE

Title (de)
KRAFTSTOFFEINSPRITZVENTIL

Title (fr)
INJECTEUR DE CARBURANT

Publication
EP 2587046 A4 20171011 (EN)

Application
EP 11798319 A 20110520

Priority
• KR 20100059417 A 20100623
• KR 2011003734 W 20110520

Abstract (en)
[origin: EP2587046A2] The disclosure relates to a fuel injection valve. The fuel injection valve for an internal combustion engine includes a needle which moves within a valve housing; a valve seat formed therein with an opening and closing hole which is opened and closed by the needle; an orifice plate which is attached to a lower portion of the valve seat and from which a fuel is injected through an injection hole; a fuel tube being a path through which the fuel injected from the orifice plate is supplied to the internal combustion engine; and a tube adaptor which is installed between the orifice plate and the fuel tube in order to prevent a leakage of the fuel supplied from the orifice plate to the fuel tube.

IPC 8 full level
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CPC (source: EP KR)
F02M 61/18 (2013.01 - EP); **F02M 61/1853** (2013.01 - EP KR); **F02M 2200/16** (2013.01 - EP KR)

Citation (search report)
• [XA] DE 19736548 A1 19990225 - BOSCH GMBH ROBERT [DE]
• [XA] DE 10021073 A1 20010208 - AISAN IND [JP]
• [XA] US 6783087 B2 20040831 - AOKI FUMIAKI [JP], et al
• [XA] US 2002053610 A1 20020509 - TAKAGI TAKAAKI [JP], et al
• See references of WO 2011162484A2

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)
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