

Title (en)
FUEL INJECTION DEVICE

Title (de)
KRAFTSTOFFEINSPRITZVORRICHTUNG

Title (fr)
DISPOSITIF D'INJECTION DE CARBURANT

Publication
EP 2494182 B1 20181121 (DE)

Application
EP 10759858 A 20100923

Priority
• DE 102009045995 A 20091026
• EP 2010064068 W 20100923

Abstract (en)
[origin: WO2011051060A1] The invention relates to a fuel injection device for injecting fuel into a combustion chamber (18) of an internal combustion engine, having a control valve (36) comprising a valve piece (4) in which a valve body (37) is guided such that it can be moved back and forth to represent a valve seat (39). In order to minimize leakage during operation of a fuel injection device, the valve body (37) has a first contact surface (71) on one end which is arranged when the valve seat (39) is closed in a plane with a second contact surface (72) designed on the valve piece (4) such that the two contact surfaces (71, 72) contact a common opposite surface (73) in a sealing manner.

IPC 8 full level
F02M 47/02 (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 63/0031** (2013.01); **F02M 63/0073** (2013.01); **F02M 63/0078** (2013.01); **F02M 63/0015** (2013.01)

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2011051060 A1 20110505; CN 102597484 A 20120718; DE 102009045995 A1 20110609; EP 2494182 A1 20120905;
EP 2494182 B1 20181121; IN 2065DEN2012 A 20150821

DOCDB simple family (application)
EP 2010064068 W 20100923; CN 201080048366 A 20100923; DE 102009045995 A 20091026; EP 10759858 A 20100923;
IN 2065DEN2012 A 20120307