

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1869310 A1 20071226 (DE)

Application
EP 06724919 A 20060303

Priority
• EP 2006060423 W 20060303
• DE 102005015735 A 20050406

Abstract (en)
[origin: WO2006106021A1] A fuel injection valve (1) which serves as injector for fuel injection systems of air-compressing, compression-ignition internal combustion engines has a valve housing (4). The valve housing (4) is composed of a first housing part (2) and a second housing part (3) which are connected to one another in a connecting region (60). In order to improve the strength of the connection in relation to the pressure of the fuel which prevails in an inner space (12), the housing wall (61) of the first housing part (2) is supported in the connecting region (60) on the housing wall (65) of the second housing part (3), and the housing wall (65) of the second housing part (3) is of reinforced design in the connecting region (60).

IPC 8 full level
F02M 61/12 (2006.01); **F02M 51/06** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP KR US)
F02M 51/0603 (2013.01 - EP KR US); **F02M 55/004** (2013.01 - EP KR US); **F02M 61/12** (2013.01 - EP KR US);
F02M 61/168 (2013.01 - EP KR US); **F02M 2200/16** (2013.01 - EP KR US); **F02M 2200/703** (2013.01 - EP KR US);
F02M 2200/8076 (2013.01 - EP KR US); **F02M 2200/9053** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2006106021A1

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

DOCDB simple family (publication)
WO 2006106021 A1 20061012; AT E415556 T1 20081215; DE 102005015735 A1 20061012; DE 502006002203 D1 20090108;
EP 1869310 A1 20071226; EP 1869310 B1 20081126; JP 2008534859 A 20080828; JP 4638938 B2 20110223; KR 101092701 B1 20111209;
KR 20070116248 A 20071207; US 2008185462 A1 20080807; US 8181893 B2 20120522

DOCDB simple family (application)
EP 2006060423 W 20060303; AT 06724919 T 20060303; DE 102005015735 A 20050406; DE 502006002203 T 20060303;
EP 06724919 A 20060303; JP 2008504721 A 20060303; KR 20077022789 A 20060303; US 90815706 A 20060303