

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE COMBUSTIBLE

Publication
EP 1828594 A1 20070905 (DE)

Application
EP 05807953 A 20051007

Priority
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Abstract (en)
[origin: WO2006063880A1] Disclosed is a receiving bore (3) of a cylinder head (4), which is used for integrating a fuel injection valve (2) into the cylinder head (4). Said receiving bore (3) comprises a first shoulder area (18). A second shoulder area (16) of the valve housing (14), which is located at the discharge end and represents the counterpart to the first shoulder area (18) of the receiving bore (3), is shaped such that a positive connection is created between the shoulder area (18) of the receiving bore (3) in the cylinder head (4) and the shoulder area (16) of the valve housing (14) located at the discharge end. The shoulder areas (16, 18) define a support area (24) which represents a second-order hypersurface in three-dimensional space.

IPC 8 full level
F02M 61/14 (2006.01)

CPC (source: EP US)
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