

Title (en)
FUEL INJECTION VALVE WITH AN INTEGRATED IGNITING DEVICE

Title (de)
BRENNSTOFFEINSPRITZVENTIL MIT INTEGRIERTER ZÜNDVORRICHTUNG

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT A DISPOSITIF D'ALLUMAGE INTEGRE

Publication
EP 1751422 B1 20080611 (DE)

Application
EP 05726241 A 20050318

Priority
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• DE 102004024535 A 20040518

Abstract (en)
[origin: WO2005113975A1] A fuel injection valve (1) with an integrated igniting device (38, 39, 41, 42) comprises a first pair of electrodes (38, 39) for igniting fuel directly injected into a combustion chamber of an internal combustion engine via discharge openings (7) of the fuel injection valve (1). The pair of electrodes (38, 39) is comprised of a ground electrode (38) and of a center electrode (39) that are interspaced by a spark gap (41). The fuel injection valve (1) and the injection device (38, 39, 41, 42) are housed in a common housing (40). The igniting device (38, 39, 41, 42) comprises at least one additional spark gap (46) or another pair of electrodes (44, 45).

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