

Title (en)
COMBINED FUEL INJECTION VALVE/IGNITION PLUG

Title (de)
BRENNSTOFFEINSPRITZVENTIL-ZÜNDKERZE-KOMBINATION

Title (fr)
COMBINAISON SOUPAPE D'INJECTION DE CARBURANT / BOUGIE D'ALLUMAGE

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Application
EP 03745245 A 20030129

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Abstract (en)
[origin: WO03083284A1] The invention relates to a fuel injection valve (1) with integrated ignition plug (2), which comprises a fuel injection valve (1) for directly injecting fuel into a combustion chamber of an internal combustion engine, and an ignition plug (2) for igniting the fuel present in the combustion chamber of the internal combustion engine. Said ignition plug comprises a spark plug insulator (9) with a first electrode (10) and a second electrode (12) that is spaced from the first electrode (10) by a spark gap (13). The fuel injection valve (1) and the spark plug insulator (9) of the ignition plug (2) are disposed in a common housing (11). The spark gap (13) has a width of 50 to 300 nm and is disposed at a distance of 3 to 10 mm upstream of the fuel injection valve (1).

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