

Title (en)
INTERNAL COMBUSTION ENGINE WITH SEALING PROTECTION FOR A FUEL INJECTION VALVE

Title (de)
BRENNKRAFTMASCHINE MIT DICHTUNGSSCHUTZ FÜR EIN KRAFTSTOFFEINSPRITZVENTIL

Title (fr)
MOTEUR À COMBUSTION INTERNE POURVU D'UNE PROTECTION POUR UN ÉLÉMENT D'ÉTANCHÉITÉ D'UNE SOUPE D'INJECTION DE CARBURANT

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Abstract (en)
[origin: WO2008135489A1] The invention relates to an internal combustion engine comprising a fuel chamber (4) and a fuel injection valve (3) that injects fuel (5) directly into the combustion chamber (4), the fuel injection valve (3) being disposed in a cylinder head (2). In order to seal the combustion chamber (4), a ring-shaped sealing element (6) is disposed between the fuel injection valve (3) and the cylinder head (2). A shield ring (7) is disposed in an axial direction (X-X) of the fuel injection valve (3) between the sealing element (6) and the combustion chamber (4), which is characterized in that it has a round cross section or a cross section that is rounded radially outward.

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Citation (examination)

- DE 10103826 A1 20020814 - BOSCH GMBH ROBERT [DE]
- US 5794856 A 19980818 - NALLY DEBORA E [US]
- EP 1063423 A2 20001227 - SIEMENS AUTOMOTIVE CORP LP [US]

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