

Title (en)
FUEL-INJECTION VALVE.

Title (de)
BRENNSTOFFEINSPRITZVENTIL.

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT.

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Application
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Abstract (en)
[origin: WO9119900A1] Prior art fuel-injection valves have a cup-shaped protective cap with a recess extending radially outwards from the cap. Together with the injection valve, the recess forms a gap which is small enough to exert a capillary effect on the fuel so that, when the engine is turned off, the high-boiling components of the fuel are deposited at the outer edge of the gap and the injection apertures stay free of deposits. The protective cap (20) proposed by the invention has at least three protuberances (30) integral with the bottom (28) of the cap, the protuberances projecting out a given longitudinal distance (31) towards the injection valve and abutting the orifice plate (15) of the valve. A longitudinal gap (36) of defined width is thus formed by simple means between the floor (28) of the cap and the aperture plate (15). The protective cap disclosed can be used in various types of fuel-injection valve.

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