

Title (en)  
HIGH-PRESSURE FUEL PUMP

Title (de)  
KRAFTSTOFFHOCHDRUCKPUMPE

Title (fr)  
POMPE À HAUTE PRESSION POUR CARBURANT

Publication  
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Application  
**EP 09749669 A 20090320**

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Abstract (en)  
[origin: WO2009141179A1] The invention relates to a high-pressure fuel pump for a fuel injection system of an internal combustion engine, with a pump housing (2) and with at least one pump element (3) which comprises a piston (8) which is driven by a cam (18) which interacts with a roller (15), the free ends of which are bounded by two side run-on surfaces which come into contact with mating surfaces during the operation of the high-pressure fuel pump (1). In order to provide a high-pressure fuel pump which can be produced cost-effectively and has a long service life, the side run-on surfaces are designed as circular ring disc surfaces and, in a central internal region, are released from contact with the mating surfaces.

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