

Title (en)
HIGH-PRESSURE PUMP

Title (de)
HOCHDRUCKPUMPE

Title (fr)
POMPE À HAUTE PRESSION

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Application
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Abstract (en)
[origin: WO2010112253A1] The invention relates to a high-pressure pump for a fuel injection device of an internal combustion engine, in particular for a common-rail system, comprising a cam power train, wherein the rotational movement of a cam shaft is transformed by means of at least one cam into a stroke movement of a pump piston of the high-pressure pump, wherein a cam contour of the cam is designed in a way such that during a suction phase of the high-pressure pump in a range from a top dead center to a bottom dead center, in which fuel is sucked into a pump working chamber, the stroke of the pump piston follows a sinusoidal course as a function of the cam rotational angle.

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