

Title (en)
VALVE FOR A FUEL INJECTION PUMP

Title (de)
VENTIL FÜR EINE KRAFTSTOFFEINSPRITZPUMPE

Title (fr)
SOUPAPE DE POMPE A INJECTION DE CARBURANT

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Application
EP 04786716 A 20040906

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Abstract (en)
[origin: WO2005045228A1] The invention relates to a valve (2) for a fuel injection system, said valve comprising a valve seat (8) embodied in a valve housing (4), and a valve member (6) that can be displaced in the valve housing (4), said valve member comprising a sealing surface (10) which is applied to the valve seat (8) in a sealing manner when the valve (2) is closed, and together with the valve seat (8), defines a valve gap (12) through which fuel flows, when the valve (2) is opened. The aim of the invention is to prevent cavitation damage. To this end, the valve member (6) comprises a peripheral groove (18) arranged directly behind the sealing surface (10) in the direction of flow, a peripheral cross-sectional widening (20) of the valve member (6) being adjacent to the groove.

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