

Title (en)
HIGH PRESSURE FUEL PUMP

Title (de)
HOCHDRUCKBRENNSTOFFPUMPE

Title (fr)
POMPE À CARBURANT HAUTE PRESSION

Publication
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Application
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Abstract (en)
[origin: EP3139029A1] The invention comprises a high pressure fuel pump comprising at least one pumping assembly (10) and a drive assembly (20). The pumping assembly (10) comprises a plunger (12) arranged for reciprocal movement along a pumping axis (A-A'). The drive assembly (20) comprises a drive means and a driveshaft (22) comprising a rider journal (24) and a rear bearing (26), whoses axes (B-B', C-C') are offset relative to each another. A rider (30) is fitted on said rider journal (24) to effect movement of the rider (30) along an eccentric rotational path. The drive assembly (20) comprises a stroke-increasing arrangement (40) disposed between the rider (30) and the pumping assembly (10). The stroke-increasing arrangement (40) comprises at least two angled, preferably triangular, members configured to translate movement along a first axis (D-D') to along the pumping axis (A-A').

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