

Title (en)  
HIGH PRESSURE FUEL PUMP

Title (de)  
HOCHDRUCKBRENNSTOFFPUMPE

Title (fr)  
POMPE À CARBURANT HAUTE PRESSION

Publication  
**EP 3139029 A1 20170308 (EN)**

Application  
**EP 16185570 A 20160824**

Priority  
GB 201515435 A 20150901

Abstract (en)  
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').

IPC 8 full level  
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CPC (source: EP)  
**F02M 59/102** (2013.01); **F04B 1/0413** (2013.01); **F04B 9/04** (2013.01); **F04B 9/042** (2013.01)

Citation (search report)  
• [XA] US 6322328 B1 20011127 - TECHET GERNOT [DE], et al  
• [XP] WO 2016096205 A1 20160623 - DELPHI INTERNAT OPERATIONS LUXEMBOURG S À R L [LU]  
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