

Title (en)  
FUEL PUMP ASSEMBLY

Title (de)  
BRENNSTOFFPUMPENANORDNUNG

Title (fr)  
ENSEMBLE POMPE À CARBURANT

Publication  
**EP 3234356 A1 20171025 (EN)**

Application  
**EP 15784721 A 20151026**

Priority  
• GB 201422470 A 20141217  
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Abstract (en)  
[origin: WO2016096205A1] A high pressure fuel pump comprising at least one pumping head (10, 20) and an improved drive assembly comprising a drive means and a drive shaft (40) comprising a rider journal (46) adjoined to a rear bearing (42). The journal (46) and the bearing (42) comprise offset axes (C-C', D-D') relative to one another. A rider (50) is fitted on said drive shaft (40) to effect movement of the rider (50) along an eccentric rotational path. The rider (50) comprises a body (51) with an open-ended aperture (52), a load section (55) disposed around a first portion of the circumference of the aperture (52) and an idle section (58) disposed around a second portion of the circumference, and wherein the load section (55) of the rider (50) comprises at least one outwardly facing flat surface (56, 57) for cooperation with a tappet (35, 36). The drive shaft (40) comprises an enlarged rear bearing (42) with a reduced-depth section (45) at a bearing-journal junction, and the idle section (58) of the rider (50) comprises a reduced-width portion.

IPC 8 full level  
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Citation (search report)  
See references of WO 2016096205A1

Cited by  
CN111894831A; WO2023034888A1

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