

Title (en)  
HIGH PRESSURE PUMP

Title (de)  
HOCHDRUCKPUMPE

Title (fr)  
POMPE HAUTE PRESSION

Publication  
**EP 2850318 A1 20150325 (DE)**

Application  
**EP 13714617 A 20130402**

Priority  
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Abstract (en)  
[origin: WO2013170997A1] The invention relates to a high-pressure pump (1) for conveying a fluid, particularly fuel such as diesel, and comprising: a drive shaft (2) that has at least one cam (3); at least one piston (5); and at least one cylinder (6) for mounting said at least one piston (5), the at least one piston (5) being indirectly supported, by means of at least one running roller (10), on the drive shaft (2) that has the at least one cam (3) such that a translational movement can be carried out by the at least one piston (5) based on a rotational movement of the drive shaft (2), and said at least one drive shaft (2) with the at least one cam (3) being in the form of a hollow shaft (2) comprising at least one cavity so as to reduce the mass of the at least one drive shaft (2).

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**F04B 1/04** (2006.01)

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**F04B 1/04** (2013.01); **F04B 1/0439** (2013.01)

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See references of WO 2013170997A1

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