

Title (en)

Transfer pump for high-pressure petrol injection

Title (de)

Förderpumpe zur Einspritzung von Benzin unter hohem Druck

Title (fr)

Pompe transfert pour injection d'essence à haute pression

Publication

**EP 1884656 B1 20091125 (FR)**

Application

**EP 07290936 A 20070725**

Priority

FR 0607181 A 20060804

Abstract (en)

[origin: EP1884656A1] The pump has a drive shaft (1) driven by a free wheel mechanism (3). An oil part comprises a cam (5), lobes (6), a part of the drive shaft that supports the cam, a roller (7) with a shaft (8) and a rolling bearing (9) that is supported by a support part, and an upper part of a piston (10). The cam is supported on the piston by using the roller. The oil part is provided such that the cam, roller and the bearing and angle transmission parts are immersed in oil of the oil part. A lip joint provides sealing between the oil part and the shaft (1).

IPC 8 full level

**F02M 59/10** (2006.01); **F04B 1/04** (2006.01); **F04B 43/08** (2006.01)

CPC (source: EP KR US)

**F02M 59/102** (2013.01 - EP US); **F02M 59/24** (2013.01 - KR); **F02M 59/26** (2013.01 - KR); **F04B 1/0404** (2013.01 - EP US); **F04B 1/0413** (2013.01 - EP US); **F04B 43/084** (2013.01 - EP US); **F02M 2200/31** (2013.01 - EP US)

Cited by

FR2961561A1; WO2018146340A1; WO2010060761A1; FR3105207A1; WO2021130444A1; FR3105252A1; WO2021130445A1; FR3112089A1

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