

Title (en)

PUMP, IN PARTICULAR A HIGH-PRESSURE FUEL PUMP

Title (de)

PUMPE, INSBESONDERE KRAFTSTOFFHOCHDRUCKPUMPE

Title (fr)

POMPE, EN PARTICULIER POMPE À CARBURANT HAUTE PRESSION

Publication

EP 2585707 A1 20130501 (DE)

Application

EP 11720792 A 20110524

Priority

- DE 102010030498 A 20100624
- EP 2011058397 W 20110524

Abstract (en)

[origin: WO2011160908A1] The pump comprises at least one pump element which has a pump piston that is at least indirectly driven in a stroke movement by a drive shaft. A plunger having a plunger body is arranged between the drive shaft and the pump piston and is movably guided in a receiving device in the direction of the stroke movement of the pump piston and is supported on the drive shaft by means of a support element. Lubricant is supplied to the receiving device via a supply line and lubricant is conducted out of the receiving device via a discharge line into the plunger body to the support element. An annular gap filter is provided between the plunger body and the receiving device and is arranged between the supply line for supplying lubricant to the receiving device and the discharge line for discharging lubricant into the plunger body.

IPC 8 full level

F02M 59/10 (2006.01); **F02M 59/44** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP KR US)

F01B 23/00 (2013.01 - US); **F02M 59/10** (2013.01 - KR); **F02M 59/102** (2013.01 - EP US); **F02M 59/44** (2013.01 - EP KR US); **F02M 63/00** (2013.01 - KR); **F02M 63/0001** (2013.01 - EP US); **F04B 1/0408** (2013.01 - EP US); **F04B 1/0426** (2013.01 - EP US); **F04B 53/18** (2013.01 - EP US); **F04B 53/20** (2013.01 - EP US)

Citation (search report)

See references of WO 2011160908A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 102010030498 A1 20111229; CN 102959227 A 20130306; CN 102959227 B 20150708; EP 2585707 A1 20130501; EP 2585707 B1 20141210; JP 2013533417 A 20130822; JP 5529346 B2 20140625; KR 20130086542 A 20130802; US 2013104730 A1 20130502; US 9074474 B2 20150707; WO 2011160908 A1 20111229

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