

Title (en)
HIGH PRESSURE DIESEL FUEL PUMPS

Title (de)
HOCHDRUCKDIESELPUMPEN

Title (fr)
POMPES À DIESEL DE HAUTE PRESSION

Publication
EP 3283764 B1 20220713 (EN)

Application
EP 16714431 A 20160405

Priority
• GB 201506194 A 20150413
• EP 2016057459 W 20160405

Abstract (en)
[origin: WO2016165985A1] The invention relates to a high pressure diesel fuel pump comprising a drivetrain assembly within a drivetrain housing and a pumping assembly. The drivetrain assembly comprises a cam mounted in a cambox, a tappet member arranged for reciprocal movement with the cam within a tappet chamber, and a spring mounted in a spring chamber acting on an upper surface of the tappet member. The pumping assembly comprises a pump housing and a plunger mounted within a bore formed in the pump housing for reciprocal movement along a pumping axis under the influence of the tappet member. The housing comprises a vent arranged to connect said spring chamber and/or said tappet chamber with the cambox and a low pressure inlet for delivery of fluid to the drivetrain assembly, characterised in that the low pressure inlet is arranged to feed into the spring chamber. The invention also covers a drivetrain housing.

IPC 8 full level
F02M 55/00 (2006.01); **F02M 59/10** (2006.01); **F04B 1/04** (2020.01); **F04B 1/0421** (2020.01); **F04B 1/0443** (2020.01)

CPC (source: EP)
F02M 55/00 (2013.01); **F02M 59/102** (2013.01); **F04B 1/0421** (2013.01); **F04B 1/0443** (2013.01); **F02M 2200/315** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016165985 A1 20161020; EP 3283764 A1 20180221; EP 3283764 B1 20220713; GB 201506194 D0 20150527

DOCDB simple family (application)
EP 2016057459 W 20160405; EP 16714431 A 20160405; GB 201506194 A 20150413