

Title (en)
HIGH PRESSURE FUEL PUMP

Title (de)
SCHMIERUNG EINES ROLLENSCHUHS EINEHOCHDRUCKKRAFTSTOFFPUMPE

Title (fr)
POMPE À CARBURANT HAUTE PRESSION

Publication
EP 3368766 B1 20210407 (EN)

Application
EP 16782287 A 20161019

Priority
• GB 201518964 A 20151027
• EP 2016075104 W 20161019

Abstract (en)
[origin: WO2017072006A1] The invention comprises a high pressure diesel fuel pump (1) comprising a pumping assembly (10) and a drive train assembly (20). The pumping assembly (10) comprises a plunger (12) extending from a pump head (11) along a pumping axis (A-A'). The drive train assembly (20) comprises a drive shaft and a cam (80) mounted thereon, a shoe (50) for contact with a lower end (12a) of the plunger (12), a roller (70) mounted within a cavity (52) of the shoe (50) for contact with the cam (80), and a shoe guide (60) mounted substantially between the cam (80) and the plunger (12) and adapted to receive the shoe (50) and roller (70) within a bore (62). The shoe (50) comprises at least one fuel delivery means (90) extending between an upper surface (53) of the shoe (50) and an unloaded region (52a) of the cavity (52).

IPC 8 full level
F02M 63/00 (2006.01); **F02M 59/10** (2006.01); **F04B 1/0426** (2020.01); **F04B 53/18** (2006.01)

CPC (source: EP)
F02M 59/102 (2013.01); **F02M 63/0001** (2013.01); **F04B 1/0426** (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 2017072006 A1 20170504; EP 3368766 A1 20180905; EP 3368766 B1 20210407; GB 201518964 D0 20151209

DOCDB simple family (application)
EP 2016075104 W 20161019; EP 16782287 A 20161019; GB 201518964 A 20151027