

Title (en)
HIGH PRESSURE DIESEL FUEL PUMPS AND SHOE ARRANGEMENTS

Title (de)
HOCHDRUCKDIESELKRAFTSTOFFPUMPEN UND SCHLITTENANORDNUNG

Title (fr)
POMPES À CARBURANT DIESEL À HAUTE PRESSION ET AGENCEMENTS DE CHAUSSURE

Publication
EP 3064758 A1 20160907 (EN)

Application
EP 16153707 A 20160201

Priority
GB 201503591 A 20150303

Abstract (en)
The invention relates to a high pressure diesel fuel pump comprising a pumping assembly and a drivetrain assembly, the pumping assembly comprising a pump housing and a plunger (10) mounted along a pumping axis (A-A'), the drivetrain assembly comprising a drive shaft and a cam arrangement (20) having a cam (22) and a cam follower (23) mounted within a drivetrain housing (not shown), the cam follower (23) comprising a shoe (25) and a roller (24), the plunger (10) being driven in reciprocating linear movement along the pumping axis A-A' upon rotation of the cam arrangement (20), wherein the shoe (25) comprises at least one vibration damping layer (31) disposed below a plunger-engaging surface (27). The invention also extends to an improved shoe (25) for a pumping plunger (10) of a high pressure diesel fuel pump.

IPC 8 full level
F02M 59/10 (2006.01); **F04B 1/04** (2006.01)

CPC (source: EP)
F02M 59/102 (2013.01); **F04B 1/0408** (2013.01); **F04B 1/0413** (2013.01); **F04B 1/0426** (2013.01)

Citation (search report)

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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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3064758 A1 20160907; EP 3064758 B1 20181010; GB 201503591 D0 20150415

DOCDB simple family (application)
EP 16153707 A 20160201; GB 201503591 A 20150303