

Title (en)
HIGH PRESSURE PUMP AND TAPPET ASSEMBLY

Title (de)
HOCHDRUCKPUMPE UND STÖßELBAUGRUPPE

Title (fr)
POMPE HAUTE PRESSION ET MODULE POUSSOIR

Publication
EP 2409014 B1 20130501 (DE)

Application
EP 10700440 A 20100120

Priority
• EP 2010050612 W 20100120
• DE 102009001631 A 20090318

Abstract (en)
[origin: WO2010105863A1] The invention relates to a high pressure pump for a fuel injection device of an internal combustion engine, comprising at least one pump element having a pump piston delimiting a pump working chamber, wherein between the pump piston and a rotationally driven drive shaft of the high pressure pump, a tappet assembly having a tappet body and a roller shoe pressed into a receptacle of the tappet body is provided, wherein the tappet body comprises a centering guide for pressing in the roller shoe. The invention further relates to a tappet assembly for a high pressure pump for a fuel injection device of an internal combustion engine comprising a tappet body and a roller shoe pressed into a receptacle of the tappet body, wherein the tappet body comprises a centering guide for pressing in the roller shoe.

IPC 8 full level
F02M 59/06 (2006.01); **F02M 59/10** (2006.01); **F04B 1/04** (2006.01)

CPC (source: EP KR US)
F02M 59/06 (2013.01 - EP KR US); **F02M 59/10** (2013.01 - KR); **F02M 59/102** (2013.01 - EP KR US); **F04B 1/04** (2013.01 - KR); **F04B 1/0408** (2013.01 - EP KR US); **F04B 1/0417** (2013.01 - EP KR US); **F04B 1/0426** (2013.01 - EP KR US); **Y10T 74/2107** (2015.01 - EP US)

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009001631 A1 20100923; BR PI1013884 A2 20160405; BR PI1013884 B1 20200818; CN 102356228 A 20120215; CN 102356228 B 20140709; EP 2409014 A1 20120125; EP 2409014 B1 20130501; ES 2407864 T3 20130614; JP 2012520423 A 20120906; JP 5497883 B2 20140521; KR 101673636 B1 20161107; KR 20110132567 A 20111208; PL 2409014 T3 20130930; RU 2011141885 A 20130427; RU 2524476 C2 20140727; US 2012080013 A1 20120405; WO 2010105863 A1 20100923

DOCDB simple family (application)
DE 102009001631 A 20090318; BR PI1013884 A 20100120; CN 201080012426 A 20100120; EP 10700440 A 20100120; EP 2010050612 W 20100120; ES 10700440 T 20100120; JP 2012500160 A 20100120; KR 20117021571 A 20100120; PL 10700440 T 20100120; RU 2011141885 A 20100120; US 201013257360 A 20100120