

Title (en)
HIGH-PRESSURE FUEL PUMP

Title (de)
HOCHDRUCKBRENNSTOFFPUMPE

Title (fr)
POMPE À CARBURANT À HAUTE PRESSION

Publication
EP 3135899 A4 20171227 (EN)

Application
EP 15782715 A 20150417

Priority
• JP 2014090821 A 20140425
• JP 2015061774 W 20150417

Abstract (en)
[origin: EP3135899A1] A cylinder is fixed to a pump body with a simple structure even when the fuel pressure is high. The cylinder is formed in a cylindrical shape with a bottom, and includes a large-diameter part and a small-diameter part. The surface of a width difference formed between the large-diameter part and the small-diameter part is press-fitted to the pump body in a direction in which a plunger is compressed.

IPC 8 full level
F02M 59/44 (2006.01); **F02M 59/04** (2006.01); **F02M 59/48** (2006.01); **F04B 1/04** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)
F02M 59/48 (2013.01); **F04B 1/0421** (2013.01); **F04B 1/053** (2013.01); **F04B 9/042** (2013.01); **F04B 11/00** (2013.01); **F04B 53/162** (2013.01); **F02M 2200/8053** (2013.01); **F02M 2200/8061** (2013.01)

Citation (search report)
• [XY] US 2012195780 A1 20120802 - MATSUMOTO TEPPEI [JP], et al
• [Y] JP 2009185613 A 20090820 - HITACHI LTD
• [Y] EP 2055934 A2 20090506 - HITACHI LTD [JP]
• See references of WO 2015163243A1

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)
EP 3135899 A1 20170301; **EP 3135899 A4 20171227**; **EP 3135899 B1 20201028**; CN 106255822 A 20161221; CN 106255822 B 20181207; JP 6268279 B2 20180124; JP WO2015163243 A1 20170413; WO 2015163243 A1 20151029

DOCDB simple family (application)
EP 15782715 A 20150417; CN 201580022013 A 20150417; JP 2015061774 W 20150417; JP 2016514896 A 20150417