

Title (en)
High pressure pump

Title (de)
Hochdruckpumpe

Title (fr)
Pompe haute pression

Publication
EP 2821646 A1 20150107 (EN)

Application
EP 13174546 A 20130701

Priority
EP 13174546 A 20130701

Abstract (en)
A high pressure fuel pump unit (10) comprises a pump head (12), a cam-follower (24), a plunger (18) extending along a longitudinal axis (A) from a first extremity slidably arranged in a pumping bore (14) of the pump head (12) to a second extremity (22) cooperating with the cam-follower (24) lubricated by oil and, a spring (30) compressed between the pump head (12) and the cam-follower (24). The pump unit (10) further comprises an annular seal (34) arranged around the plunger (18) and fixed to the pump head (12) in order to prevent mixing of fuel with oil.

IPC 8 full level
F04B 1/04 (2006.01); **F04B 53/14** (2006.01)

CPC (source: EP US)
F04B 1/0408 (2013.01 - EP US); **F04B 1/0426** (2013.01 - EP US); **F04B 1/0448** (2013.01 - EP US); **F04B 53/02** (2013.01 - EP US); **F04B 53/14** (2013.01 - EP US); **F02M 2200/8023** (2013.01 - EP US)

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

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DOCDB simple family (application)
EP 13174546 A 20130701; CN 201480037812 A 20140604; EP 14728181 A 20140604; EP 2014061529 W 20140604; JP 2016522365 A 20140604; KR 20157034571 A 20140604; US 201414892250 A 20140604