

Title (en)
FUEL PUMP

Title (de)
KRAFTSTOFFPUMPE

Title (fr)
POMPE À CARBURANT

Publication
EP 3402979 B1 20200318 (EN)

Application
EP 17700137 A 20170106

Priority
• GB 201600766 A 20160115
• EP 2017050281 W 20170106

Abstract (en)
[origin: WO2017121690A1] A high pressure fuel pump (10) has a spring (26) engaged around a cylindrical plunger (14) and compressed between a spring seat (20) and a pumping head (12). The spring seat (20) comprises a peripheral disc portion (32) and a central portion (28) provided with a central aperture (34) allowing the plunger (14) to pass therethrough and be positioned in a final position. The spring seat (20) further comprises an engagement aperture (34) enabling through engagement of the extremity (18) of the plunger in a preliminary engagement position distinct from the final position, said engagement aperture (34) opening into the central aperture (34) so that the plunger (14) can be moved from the engagement position to the final position.

IPC 8 full level
F02M 59/48 (2006.01); **F02M 59/10** (2006.01)

CPC (source: EP)
F02M 59/102 (2013.01); **F02M 59/44** (2013.01); **F02M 59/48** (2013.01); **F04B 1/0408** (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 2017121690 A1 20170720; CN 108603478 A 20180928; CN 108603478 B 20201211; EP 3402979 A1 20181121; EP 3402979 B1 20200318; GB 201600766 D0 20160302

DOCDB simple family (application)
EP 2017050281 W 20170106; CN 201780006322 A 20170106; EP 17700137 A 20170106; GB 201600766 A 20160115