

Title (en)
Fuel pump

Title (de)
Kraftstoffpumpe

Title (fr)
Pompe à carburant

Publication
EP 2660456 B1 20171206 (EN)

Application
EP 12166297 A 20120501

Priority
EP 12166297 A 20120501

Abstract (en)
[origin: EP2660456A1] The present invention relates to a rotary fuel pump (101). The pump (101) has a rotor (107) and at least one pumping element (115) for supplying high pressure fuel. A cam box (123) containing a cam arrangement (103) is provided for actuating the at least one pumping element (115). A speed dependent fuel pressure line (129) is provided for supplying speed dependent fuel pressure to an advance arrangement (125) for adjusting the timing of fuel delivery by the pump (101). A first vent line (131) is provided for venting air from the speed dependent fuel pressure line (129). The present invention also relates to an advance arrangement (125) for a fuel pump (101) and a rotor (107) for a fuel pump (101).

IPC 8 full level
F02M 41/14 (2006.01); **F02D 1/18** (2006.01)

CPC (source: EP)
F02D 1/183 (2013.01); **F02M 41/1416** (2013.01); **F02M 55/007** (2013.01)

Citation (examination)
EP 1454055 A1 20040908 - BOSCH GMBH ROBERT [DE]

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 2660456 A1 20131106; **EP 2660456 B1 20171206**; CN 104619980 A 20150513; CN 104619980 B 20170721; WO 2013164195 A1 20131107

DOCDB simple family (application)
EP 12166297 A 20120501; CN 201380022963 A 20130417; EP 2013058012 W 20130417