

Title (en)
FUEL PUMP

Title (de)
KRAFTSTOFFPUMPE

Title (fr)
POMPE À CARBURANT

Publication
EP 3176422 A3 20170621 (EN)

Application
EP 16201691 A 20161201

Priority
GB 201521130 A 20151201

Abstract (en)
[origin: EP3176422A2] The present disclosure relates to a fuel pump (10) having a head member (12) provided with a blind bore (14) in which a piston (26) is adapted to perform a pumping cycle by reciprocating along the main axis (X1) of the bore (14) between a top dead center (TDC) position and a bottom dead center (BDC) position. Fuel is pressurized during the cycle in a compression chamber (30) defined between the top extremity (28) of the piston and the blind end of the bore (14). The piston (26) reciprocates under the influence of a rotating cam (36) cooperating with a follower assembly (34) combined to the piston (26). The pump (10) also includes a spring (46) compressed between the head member (12) and the follower assembly (34) in order to bias the follower assembly (34) toward the cam (36). An end cap (48) is mounted to the piston (26) for engaging the follower assembly (34). The end cap (48) may locate a spring seat member (44) or may form a spring seat member (44).

IPC 8 full level
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CPC (source: EP)
F02M 59/102 (2013.01); **F02M 59/464** (2013.01); **F02M 2200/03** (2013.01); **F02M 2200/26** (2013.01)

Citation (search report)
• [XY] EP 2412976 A2 20120201 - DELPHI TECH HOLDING SARL [LU]
• [XY] DE 102012203230 A1 20130905 - BOSCH GMBH ROBERT [DE]
• [X] US 2004177752 A1 20040916 - BUCHHAUSER WOLFGANG [DE], et al
• [X] DE 102012202205 A1 20130814 - 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

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