

Title (en)
Fuel pump

Title (de)
Kraftstoffpumpe

Title (fr)
Pompe à carburant

Publication
EP 2172633 A1 20100407 (EN)

Application
EP 08165658 A 20081001

Priority
EP 08165658 A 20081001

Abstract (en)
A boost assembly (100) for a rotary fuel pump (10) of an internal combustion engine including a turbocharger, the boost assembly (100) comprising a housing (102), a control member (138) which is cooperable with an adjuster of the fuel pump (10) so as to adjust the fuel pump output, a displacement element (110) cooperable with the control member (138), a valve plate (120) engageable with a valve seat (140) so as to define a first position of the control member (138), and limiting means (165,170) arranged to define a second position of the control member (138). The valve plate (120) is movable away from the valve seat (140) in response to air pressure from the turbocharger so as to control whether the diaphragm (110) is exposed to air flow from the turbocharger, thereby to cause the control member (138) to move from the first position to the second position, and the boost assembly (100) includes an adjustment means for adjusting the axial position of the valve seat (140) relative to the housing (102), thereby to adjust the first position of the control member (138).

IPC 8 full level
F02B 37/18 (2006.01); **F02D 1/06** (2006.01); **F02M 59/44** (2006.01)

CPC (source: EP)
F02D 1/06 (2013.01); **F02M 59/447** (2013.01)

Citation (search report)
• [XY] GB 2129968 A 19840523 - BOSCH GMBH ROBERT
• [Y] GB 2107779 A 19830505 - BOSCH GMBH ROBERT
• [A] JP S60201029 A 19851011 - TOYOTA MOTOR CO LTD

Cited by
US11819967B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

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