

Title (en)
Fuel delivery module

Title (de)
Kraftstoffabgabemodul

Title (fr)
Module de livraison de carburant

Publication
EP 1985837 A3 20081112 (EN)

Application
EP 07008390 A 20070425

Priority
GB 0705303 A 20070320

Abstract (en)
[origin: EP1985837A2] A fuel delivery module (1) comprising a fuel tight housing (2) having a fuel inlet (14) for communication with a volume of fuel stored in a fuel tank, at least one fuel outlet (16) for communication with a fuel system of a vehicle and a vent/return outlet (18) for returning excess fuel and/or fuel vapour and air to the fuel tank, a fuel pump (30) being located within the housing (2), said fuel pump (30) preferably comprising an electric motor and a regenerative turbine pump assembly comprising an impeller drivingly connected to the motor for pumping fuel from the fuel inlet to said fuel outlet, at least one vapour vent port being provided for removing fuel vapour and air from the region of the impeller, wherein the housing (2) defines a low pressure inlet region (40) on the inlet side of the pump and a high pressure outlet region (50) on the outlet side of the pump (30), the fuel inlet (14) communicating with the low pressure inlet region (40) and the at least one fuel outlet communicating with the high pressure outlet region (50), a vent passage (22) being provided between said at least one vapour vent port and the vent/return outlet (18), whereby said fluid, vapour and air can pass from said vapour vent port to the vent/return outlet (18).

IPC 8 full level
F02M 37/08 (2006.01); **F02M 37/14** (2006.01)

CPC (source: EP)
F02M 37/08 (2013.01); **F02M 37/14** (2013.01); **F02M 2037/082** (2013.01)

Citation (search report)

- [E] EP 1918567 A1 20080507 - DELPHI TECH INC [US]
- [A] DE 4242242 A1 19940616 - BOSCH GMBH ROBERT [DE]
- [A] DE 19945968 A1 20000330 - WALBRO CORP [US]

Cited by
US10309358B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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