

Title (en)

FUEL SUPPLY DEVICE FOR INTERNAL COMBUSTION ENGINE

Title (de)

KRAFTSTOFFZUFUHRVORRICHTUNG FÜR VERBRENNUNGSMOTOREN

Title (fr)

DISPOSITIF D'ALIMENTATION EN CARBURANT POUR MOTEUR À COMBUSTION INTERNE

Publication

EP 3088722 B1 20181107 (EN)

Application

EP 16164218 A 20160407

Priority

JP 2015078189 A 20150407

Abstract (en)

[origin: EP3088722A1] A fuel supply device for an internal combustion engine is provided, which includes a plurality of fuel filters and is capable of reducing: the number of replacement parts; and clogging of filter elements by deposition of wax. A fuel supply path 100 for supplying fuel in a fuel tank 2 to injectors 8 includes: a first fuel filter 3 that is disposed upstream of a feed pump 4 and that has a first filter element 32; and a second fuel filter 5 that is disposed downstream of the feed pump 4 and that has a second filter element 52. A fuel return pipe 108 and a fuel return pipe 107 are provided so that fuel discharged from the feed pump 4 is returned, via the second fuel filter 5, to a returned fuel heater 34 disposed upstream of the first filter element 32 in the first fuel filter 3.

IPC 8 full level

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CPC (source: EP US)

F02M 37/0035 (2013.01 - EP US); **F02M 37/0052** (2013.01 - EP); **F02M 37/30** (2018.12 - EP US); **F02M 31/145** (2013.01 - EP US); **F02M 2200/27** (2013.01 - EP)

Cited by

CN109184975A; US11015555B2; WO2019030332A1

Designated contracting state (EPC)

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