

Title (en)

Fuel feed apparatus

Title (de)

Brennstoffzufuhrvorrichtung

Title (fr)

Dispositif d'alimentation en carburant

Publication

EP 1043495 A2 20001011 (EN)

Application

EP 00107583 A 20000407

Priority

JP 10321199 A 19990409

Abstract (en)

A fuel feed apparatus comprises a bottom plate 4a for closing the opening at the bottom of a fuel tank and a lateral wall 4b integrally formed with the bottom plate 4a, the space defined by the lateral wall 4b forms a sub-tank 16 in the fuel tank. A fuel pump 5 and a strainer 6 or a pressure regulator 7 are arranged within the space and the fuel returned by the pressure regulator 7 is put back into the sub-tank 16. A lid 40 having a connecting member 41 provided with a fuel flow path is fitted to the top of the lateral wall 4b to connect the fuel pump 5 and the strainer 6. The connecting member 41 holds the fuel pump 5 and the strainer 6 from above. With the above arrangement, the fuel feed apparatus is compactly realized and can supply fuel on a highly stable basis. Such an apparatus is highly resistive against vibrations. <IMAGE>

IPC 1-7

F02M 37/10

IPC 8 full level

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CPC (source: EP)

F02M 37/103 (2013.01); **F02M 37/106** (2013.01)

Citation (applicant)

- JP H10213036 A 19980811 - MITSUBISHI ELECTRIC CORP
- JP H08225023 A 19960903 - NIFCO INC

Cited by

US7717466B2; EP2706208A1; US11125196B2; US6863814B2; US9074610B2; WO2011160836A1; WO03044357A1; WO2012126548A1; WO2011086038A1; WO2011086039A1; US9840958B2; US10041392B2

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