

Title (en)

FUEL FEEDING DEVICE WITH A SUCKING JET PUMP

Title (de)

KRAFTSTOFFFÖRDEREINRICHTUNG MIT EINER SAUGSTRAHLPUMPE

Title (fr)

INSTALLATION D'ALIMENTATION EN CARBURANT AVEC POMPE ASPIRANTE A JET

Publication

EP 0772745 B1 19990421 (DE)

Application

EP 96900505 A 19960111

Priority

- DE 9600029 W 19960111
- DE 19504565 A 19950211

Abstract (en)

[origin: DE19504565A1] The sucking jet pump (20) is mounted in a motor vehicle's reservoir tank and serves to delivery into a container (12) from which fuel is drawn by a delivery pump assembly. The sucking jet pump (29) is provided with a nozzle (22) connected to a fuel line (18) and a mixer pipe (26) connected at a distance from and downstream of the nozzle, forming an aperture (27) in the reservoir (10) between the mixer pipe (26) and nozzle (22). The mixer pipe (26) protrudes through a wall (13) into the container (12) and is provided, at its end region (28) inside the container (12) on the upper area of the circumference, with a slit aperture (30). The fuel expelled from the nozzle (22) when strongly heated can vaporise to form gas bubbles which can also enter the mixer pipe (26). The gas bubbles can now escape through the slit (30) and thus no longer impair the operation of the sucking jet pump (20) or, if at all, only to a limited degree.

IPC 1-7

F04F 5/46; **F02M 37/02**

IPC 8 full level

F02M 37/04 (2006.01); **F02M 37/02** (2006.01); **F02M 37/20** (2006.01); **F04F 5/10** (2006.01); **F04F 5/46** (2006.01)

CPC (source: EP KR)

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