

Title (en)

FUEL SUPPLY DEVICE COMPRISING A PRESSURE REGULATOR

Title (de)

KRAFTSTOFFVERSORGUNGSVORRICHTUNG MIT EINEM DRUCKREGLER

Title (fr)

DISPOSITIF D'ALIMENTATION EN CARBURANT COMPORTANT UN REGULATEUR DE PRESSION

Publication

EP 2640959 A1 20130925 (FR)

Application

EP 11785738 A 20111020

Priority

- FR 1059507 A 20101119
- FR 2011052460 W 20111020

Abstract (en)

[origin: WO2012066206A1] The invention relates to a pressure regulator (6) for a liquid, comprising an inlet passage (22) and means for closing off the passage, and characterized in that it comprises a plunger (34), separate from the closing-off means, first retaining means which via the plunger (34) apply to the closing-off means a first retaining force (Fm1), a solenoid (30), and second retaining means which apply to the closing-off means a second retaining force (Fm2), the retaining means acting in parallel on the closing-off means and allowing the liquid to enter when the force of the pressure is greater than the sum of the retaining forces when the solenoid (30) is not energized and preventing the liquid from entering when the pressure force on the closing-off means is lower than the second retaining force (Fm2) when the solenoid (30) is energized. Fuel supply device comprising such a regulator.

IPC 8 full level

F02M 63/00 (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)

F02M 63/0052 (2013.01); **F02M 63/025** (2013.01)

Citation (search report)

See references of WO 2012066206A1

Citation (examination)

- US 6397819 B1 20020604 - REMBOLD HELMUT [DE], et al
- EP 1030048 A2 20000823 - TOYOTA MOTOR CO LTD [JP]

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DOCDB simple family (publication)

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