

Title (en)

FUEL DISPENSER WITH TWO-SPEED MOTOR AND METHOD OF OPERATION THEREFOR

Title (de)

KRAFTSTOFFSPENDER MIT ZWEI-GESCHWINDIGKEITSMOTOR UND BETRIEBSVERFAHREN ZUM DESSEN BETRIEB

Title (fr)

DISTRIBUTEUR DE CARBURANT AVEC MOTEUR A DEUX VITESSES ET SON PROCÉDÉ DE FONCTIONNEMENT

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Application

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Abstract (en)

[origin: WO2019008066A1] The invention relates to a fuel dispenser (1) comprising a pump unit (2) provided with an electric motor (3) that drives a pump (4) for sucking fuel from a fuel tank, the pump unit (2) being connected to two fuel-dispensing lines (5), each one comprising a flow-rate measuring device (6) connected to a hose (7) provided with a nozzle (8) for supplying fuel to a vehicle tank. According to the invention, the electric motor (3) is a two-speed motor with predefined speeds (3) providing the pump (4) with two rotational speeds, one of which is a low speed V1 for generating a slow fuel rate D1 out of the pump unit (2) when a single nozzle (8) supplies fuel, and the other is a high speed V2 for generating a fast fuel rate D2 out of the pump unit (2) when two nozzles (8) supply fuel, the two-speed motor (3) being electrically connected to a controller (9) controlling the speed of the electric motor (3) according to the number of nozzles (8) activated.

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