

Title (en)

PROCESS AND DEVICE FOR ADJUSTING A FUEL TANK VENTILATOR VALVE.

Title (de)

VERFAHREN UND EINRICHTUNG ZUM STELLEN EINES TANKENTLÜFTUNGSVENTILES.

Title (fr)

PROCEDE ET DISPOSITIF POUR LE REGLAGE D'UNE SOUPAPE DE DEGAZAGE D'UN RESERVOIR.

Publication

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Application

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Abstract (en)

[origin: WO8910472A1] In a process for obtaining adjustment values for controlling a fuel tank ventilator valve connected to an internal combustion engine, the adjustment factor used is obtained from a calculating step for lambda control. The adjustment factor modifies a loading factor until such time as a quantity of regenerated fuel which does not lead to a deviation in the lambda target value is delivered through the fuel tank ventilator valve. The adjusted loading factor modifies pre-control values for the quantity of regenerated fuel to be supplied in the preceding operating mode. The process disclosed is characterized in that allowance is made for pressure, conditions prevailing in the fuel tank ventilator valve. The opening of the fuel tank ventilator pipe into the intake manifold of an internal combustion engine can therefore be located behind the throttle valve, where there is a high negative pressure which can nevertheless vary within wide limits. The process makes allowance for these fluctuations in the context of pre-control with overridden control, making it possible to operate reliably with high regenerated gas flow rates. The device disclosed comprises, in particular, means (33) for determining the flow rate which make allowance for the pressure conditions in the fuel tank ventilator valve, as well as means (31) for controlling the load which adapt a temporarily assumed loading factor to the actual loading factor.

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