Title (en)
METHOD FOR FILTERING AN AIR-FUEL RATIO SIGNAL PRODUCED BY AN ENGINE EXHAUST SENSOR

Title (de)
VERFAHREN ZUR FILTRIERUNG EINES DURCH EINEN MOTORABGASSENSOR ERZEUGTEN SIGNALS DES LUFT-BRENNSTOFF-VERHÄLTNISSES

Title (fr)
PROCEDE DE FILTRAGE D'UN SIGNAL DE RICHESSE ISSU D'UNE SONDE À L'ÉCHAPPEMENT D'UN MOTEUR

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Application
EP 18724960 A 20180424

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Abstract (en)
[origin: WO2018202975A2] The invention relates to a method for filtering and correcting the richness signal (Upstream sensor meas) measured by a sensor under at least one engine operating condition creating oscillations in the measured richness (Upstream sensor meas) and a modification to a sensor model, said sensor being referred to as the upstream sensor. The operating condition is identified during earlier tests on the engine relative to the adjustment of the pre-determined richness set value (Sensor rich set value) for the engine, with a value of an engine operating parameter indicating that the condition is in effect being saved. As soon as said at least one value is detected at a given moment in the operation of the engine, a first nominal filtering is suspended and replaced by a second filtering of the measured richness (Upstream sensor meas). A correction is then made to at least one parameter (ttrans, treps) of the sensor.

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