Title (en)

METHOD FOR INCREASING THE RESOLUTION OF OUTPUT SIGNALS FROM AT LEAST ONE MEASURING SENSOR ON AN INTERNAL COMBUSTION ENGINE AND CORRESPONDING CONTROLLER

Title (de)

VERFAHREN ZUR ERHÖHUNG DER AUFLÖSUNG VON AUSGANGSSIGNALEN MINDESTENS EINES MESSSENSORS FÜR EINEN VERBRENNUNGSMOTOR SOWIE ZUGEHÖRIGES STEUERGERÄT

Title (fr)

PROCÉDÉ POUR AUGMENTER LA RÉSOLUTION DES SIGNAUX DE SORTIE D'AU MOINS UN CAPTEUR DE MESURE CONÇU POUR UN MOTEUR À COMBUSTION INTERNE, ET APPAREIL DE COMMANDE CORRESPONDANT

Publication

EP 2041415 B1 20091104 (DE)

Application

EP 07765572 A 20070622

Priority

- EP 2007056261 W 20070622
- DE 102006030842 A 20060704

Abstract (en)

[origin: US2009287389A1] The resolution of output signals from at least one measuring sensor on an internal combustion engine can be increased by: the working level range of the sensor is divided into at least two range sections, each section is provided with the same given output level range limited with relation to the working level range, for the output signal from the sensor and the switching from one to the other section is carried out independently by the sensor, when a range boundary between two adjacent sections is reached, exceeded or fallen below, the operating point of the internal combustion engine is determined by an engine management based on at least one parameter, the time curve for the raw sensor signal is predicted from at least one set of performance characteristics for the current operating point and the engine management determines which section is current from the predicted raw sensor signal time curve.

IPC 8 full level

F02D 35/02 (2006.01); **F02D 41/24** (2006.01)

CPC (source: EP KR US)

F02D 35/02 (2013.01 - KR); **F02D 35/023** (2013.01 - EP US); **F02D 41/24** (2013.01 - KR); **F02D 41/2474** (2013.01 - EP US); **F02D 41/28** (2013.01 - EP US); F02D 2041/285 (2013.01 - EP US)

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