Title (en)

METHOD FOR IMPROVING THE RELIABILITY OF A LEARNING FUNCTION OF A MODEL OF COMBUSTION ENGINE ACTUATORS

Title (de)

VERFAHREN ZUR VERBESSERUNG DER ZUVERLÄSSIGKEIT EINER LERNFUNKTION EINES MODELLS VON VERBRENNUNGSMOTORAKTUATOREN

Title (fr)

PROCEDE DE SECURISATION D'UNE FONCTION D'APPRENTISSAGE D'UN MODELE D'ACTIONNEURS DE MOTEUR THERMIQUE

Publication

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Application

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Abstract (en)

[origin: WO2022157429A1] The present invention relates to a method for improving the reliability of a learning function of a model for controlling actuators of a motor vehicle combustion engine, wherein the method comprises the following steps of calculating (25) a difference between a first value stored by the learning function for the term of the model and a second current value of the term of the model, which value is estimated from instantaneous measurements, of determining (26) a confidence index assigned to the first stored value of the term of the model, of determining (27) the value of a reliability-improving parameter dependent on the difference and on the confidence index, of updating (28) the term of the model by a third value made up of the sum of the parts of the first value and of the second value, during which one of the parts or each of the parts is dependent on the reliability-improving parameter.

IPC 8 full level

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