Title (en)

METHOD AND ELECTRONIC CONTROL DEVICE FOR DIAGNOSING THE MIXTURE PRODUCTION IN AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND ELEKTRONISCHE STEUEREINRICHTUNG ZUR DIAGNOSE DER GEMISCHBILDUNG EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF DE COMMANDE ELECTRONIQUE POUR ETABLIR UN DIAGNOSTIC DE LA FORMATION DU MELANGE D'UN MOTEUR A COMBUSTION INTERNE

Publication

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Application

EP 01971668 A 20010829

Priority

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- DE 10043859 A 20000904

Abstract (en)

[origin: WO0220969A1] The invention relates to a method and to an electronic control device for diagnosing the mixture production in an internal combustion engine with tank ventilation, wherein diagnosis is coupled to the mixture adjustment and can only be run in the active lambda regulation mode, that means particularly not in operating modes of the internal combustion engine in which lambda is only controlled. According to the inventive method, a sign for a mixture failure or probe failure is recognized outside the active lambda regulation mode by producing a failure presumption in the active tank ventilation mode and inactive mixture adjustment mode when a measure for the effect of the tank ventilation on the mixture composition that is produced assuming an intact system assumes values that are no longer plausible. When such a presumption is produced, mixture adjustment is requested in order to verify the presumption if necessary.

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