Title (en)

SYSTEM AND METHOD FOR ESTIMATING THE FLOW OF NITROGEN OXIDES IN THE EXHAUST GASES OF AN INTERNAL COMBUSTION ENGINE FOR A MOTOR VEHICLE

Title (de)

SYSTEM UND VERFAHREN ZUR SCHÄTZUNG DES FLUSSES VON STICKOXIDEN IM ABGAS EINER BRENNKRAFTMASCHINE FÜR EIN KRAFTFAHRZEUG

Title (fr)

SYSTÈME ET PROCÉDÉ D'ESTIMATION DU DÉBIT D'OXYDES D'AZOTES DANS LES GAZ D'ÉCHAPPEMENT D'UN MOTEUR À COMBUSTION INTERNE POUR VÉHICULE AUTOMOBILE

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Application

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Abstract (en)

[origin: WO2015059034A1] The invention relates to a system for estimating the flow of nitrogen oxides in the exhaust gases of an internal combustion engine for a motor vehicle provided with at least one circuit for partially recirculating the exhaust gases and with at least one system for reprocessing the exhaust gases, the flow of nitrogen oxides being estimated upstream of the systems for reprocessing the exhaust gases, including a system for determining the mass fraction of the fresh gases, a subtractor being suitable for determining the fraction of combusted gases in the intake collector from the mass fraction of the fresh gases, and an estimator (1) of the flow of nitrogen oxides depending on the speed of rotation of the internal combustion engine and on the fraction of combusted gases in the intake collector.

IPC 8 full level

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