

Title (en)

OPERATIONAL METHOD OF AN INTERNAL COMBUSTION ENGINE WITH AN EGR CATALYST DURING THE TRANSITION BETWEEN THE HCCI COMBUSTION MODE AND THE SPARK-IGNITED COMBUSTION MODE

Title (de)

BETRIEBSVERFAHREN EINER BRENNKRAFTMASCHINE MIT EINEM AGR KATALYSATOR WÄHREND DES WECHSELS ZWISCHEN DEN HCCI-BRENNVERFAHREN UND DEN BRENNVERFAHREN MIT FREMDZÜNDUNG (SI)

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN MOTEUR À COMBUSTION INTERNE POURVU D'UN CATALYSEUR DANS LE CIRCUIT DE RECIRCULATION DES GAZ LORS DE LA TRANSITION ENTRE UN MODE DE COMBUSTION HCCI ET UN MODE DE COMBUSTION AVEC ALLUMAGE COMMANDÉ.

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Application

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Abstract (en)

[origin: WO2012045461A2] The invention relates to an operational method for, in particular, a direct injection internal combustion chamber having a plurality of combustion chambers, in particular for a direct-injection spark ignition engine, for example, a motor vehicle with at least partial low NOx combustion (NAV) and several operational sub-methods in which at least a charge compression combustion (RZV) is carried out in an operational sub-method. A reactivity reduction of an exhaust gas recycled in the respective combustion chamber by means of external exhaust gas recycling is carried out prior to said recycling at least in an operational sub-method with charge compression combustion (RZV). Said type of operational stability of the respective operational sub-method increases due to said reactivity reduction.

IPC 8 full level

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