

Title (en)
INTERNAL COMBUSTION ENGINE FITTED WITH AN EXHAUST GAS RECIRCULATION (EGR) SYSTEM AND ASSOCIATED METHOD FOR CONTROLLING THE RECIRCULATION OF GASES

Title (de)
VERBRENNUNGSMOTOR MIT EINEM ABGASRÜCKFÜHRUNGS (AGR)-SYSTEM UND VERFAHREN ZUR STEUERUNG DER RÜCKFÜHRUNG VON ABGASEN

Title (fr)
MOTEUR A COMBUSTION INTERNE MUNI D'UN SYSTEME DE RECIRCULATION DES GAZ D'ECHAPPEMENT (EGR) ET PROCEDE DE COMMANDE DE LA RECIRCULATION DES GAZ ASSOCIE

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Application
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Abstract (en)
[origin: WO2013175091A1] The invention concerns an internal combustion engine (1) comprising an air intake manifold (8), an exhaust manifold (17), a plurality of cylinders (2.1-2.4) each having a combustion chamber (5.1-5.4), and a recirculation conduit (22) capable of reinjecting all the exhaust gases from the combustion chamber (5.4) of at least one of the cylinders (2.4), referred to as the EGR-dedicated cylinder, into the air intake manifold (8). According to the invention, the engine (1) further comprises a control system (40, 41) configured to temporarily inhibit combustion inside the combustion chamber (5.4) of the EGR-dedicated cylinder (2.4). The invention also relates to the associated method for controlling the recirculation of gases.

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