

Title (en)

EXHAUST GAS RECIRCULATION SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

ABGASRÜCKFÜHRUNGSSYSTEM FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

SYSTEME DE RECYCLAGE DES GAZ D'ECHAPPEMENT POUR MOTEUR A COMBUSTION INTERNE

Publication

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Application

EP 03750574 A 20030918

Priority

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Abstract (en)

[origin: WO2004031563A1] The invention relates to an internal combustion engine comprising at least one combustion chamber, a cylinder head, at least one cylinder that is arranged therein, at least one intake duct (12) and one discharge duct (23) per cylinder, and an external exhaust gas recirculation duct (8) which branches off the discharge duct and extends into at least one of the intake ducts. Said exhaust gas recirculation duct can be sealed in a controlled manner, wherefore a pivotable flap (5) is disposed between the exhaust gas recirculation duct (8) and the associated intake duct (12) in the area where the exhaust gas recirculation duct (8) meets the intake duct (12). Said pivotable flap (5) opens or closes a connection between the intake duct (12) and the exhaust gas recirculation duct (8) in accordance with the pivoting displacement.

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