

Title (en)

EXHAUST GAS TURBOCHARGER, SUPERCHARGED INTERNAL COMBUSTION ENGINE AND CORRESPONDING METHOD

Title (de)

ABGASTURBOLADER, AUFGEKADENE BRENNKRAFTMASCHINE UND VERFAHREN HIERZU

Title (fr)

TURBOCOMPRESSEUR A GAZ D'ECHAPPEMENT, MOTEUR A COMBUSTION INTERNE SURALIMENTE ET PROCEDE ASSOCIE

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Application

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Abstract (en)

[origin: WO0227164A1] The invention relates to an internal combustion engine, which is provided with an exhaust gas recirculation system (23) and which has an exhaust gas turbocharger (2) having a variable turbine geometry (8). In order to improve the behavior of the exhaust gas, the exhaust gas turbine (3) is provided with two inflow channels (10, 11), which are separated from one another in a pressure-tight manner, whereby an inflow channel (10) communicates with an exhaust gas line (17), from which a recirculation line (24) of the exhaust gas recirculation system (23) branches.

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