

Title (en)  
GAS CONDUCTING DEVICE

Title (de)  
GASFÜHRUNGSEINRICHTUNG

Title (fr)  
DISPOSITIF D'ADDITION DE GAZ

Publication  
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Application  
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Abstract (en)  
[origin: WO0046533A1] The invention relates to a gas conducting device for internal combustion engines, notably motor vehicle engines, comprising a pressure line (5), a fresh-gas line (2) supplying fresh gas, a discharge line (4) and an orifice (1) which opens into the fresh gas line (2) and the discharge line (4). At least the pressure line (5) and the orifice (1) are connected via a control element (60-69) for the metered addition of gas. A compensating unit (61; 61A; 62; 62A; 63; 80; 81; 82; 84; 85; 86; 89) is provided for so as to compensate forces which act on the control element (60-69) as a result of a pressure difference (p5-p3; p3-p2) between the gas pressures on the compressed gas side (p5; p3) and the fresh gas side (p3; p2).

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