

Title (en)

Method for estimating the exhaust gas flow rate for an internal combustion engine

Title (de)

Verfahren zur Schätzung der Abgasdurchflussrate für einen Verbrennungsmotor

Title (fr)

Procédé pour évaluer la vitesse d'écoulement de gaz d'échappement pour un moteur à combustion interne

Publication

**EP 2708726 B1 20210317 (EN)**

Application

**EP 13184641 A 20130916**

Priority

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- IT BO20120487 A 20120917
- IT BO20120488 A 20120917
- IT BO20120489 A 20120917

Abstract (en)

[origin: EP2708726A1] A method for estimating the exhaust gas flow rate (m) for an internal combustion engine (1); the internal combustion engine (1) is provided with an exhaust system for emitting the gases produced by the combustion into the atmosphere, which comprises, in turn, a manifold (5) for collecting the exhaust gases, an exhaust duct (10) connected to the exhaust manifold (5), and at least one sensor (24) housed along the exhaust duct (10) so as to be hit when by the exhaust gases in use; the estimation method comprises the steps of calculating the electric power (P) to be supplied to the sensor (24) in order to keep the sensor (24) itself at a constant temperature; and estimating the exhaust gas flow rate (m) as a function of the electric power (P) to supply to the sensor (24) in order to keep the sensor (24) itself at a constant temperature.

IPC 8 full level

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CPC (source: EP)

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