

Title (en)

SYSTEM FOR DETECTING THE MASS FLOW RATE OF AIR ADMITTED TO THE CYLINDERS OF AN INTERNAL-COMBUSTION ENGINE

Publication

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Application

EP 87117837 A 19871202

Priority

DE 3643547 A 19861219

Abstract (en)

[origin: US4846132A] An arrangement for the identification of the mass air stream supplied to the cylinders of an internal combustion engine. A controlled unit serves the purpose of controlling a prescribed relationship between mass air stream and fuel quantity, whereby a correction quantity (τ) from a performance characteristics memory is deposited dependent on at least one operating parameter. In accordance with the invention, this thereby involves a correction quantity which takes the dynamic behavior of the intake system, particularly its storage capacity, into consideration. Accordingly, the control unit identifies a corrected mass air stream which is smaller or, respectively, greater than the measured mass air stream by the sub-stream filling the storage or, respectively, flowing off from the storage.

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IPC 8 full level

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Cited by

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