

Title (en)

METHOD FOR CALCULATING THE MASS OF AIR ADMITTED INTO THE CYLINDER OF AN INTERNAL COMBUSTION ENGINE IN A MOTOR VEHICLE AND INJECTION CALCULATOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR BERECHNUNG DER EINER BRENNKRAFTMASCHINE ZUGEFÜHRTEN LUFTMASSE UND RECHNER FÜR KRAFTSTOFFEINSPRITZUNG

Title (fr)

PROCEDE DE CALCUL DE LA MASSE D'AIR ADMISE DANS LE CYLINDRE D'UN MOTEUR A COMBUSTION INTERNE EQUIPANT UN VEHICULE AUTOMOBILE ET CALCULATEUR D'INJECTION METTANT EN OEUVRE LE PROCEDE

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Application

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Abstract (en)

[origin: FR2821388A1] The invention relates to a method for calculating the mass of air admitted into the cylinder of an internal combustion chamber in a motor vehicle and an injection calculator carrying out said method. According to the invention, a value for predicting the pressure at the collector is predicted for each cylinder of the internal combustion engine for the time of closure (t3) of the inlet valve(s) on the basis of the measurement of the parameters describing the operation of the engine. The prediction value (Pres pred) is derived from the execution of a collector solved by an original method which is the object of the invention.

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