

Title (en)  
METHOD FOR DETERMINING AN ESTIMATED VALUE OF A MASS FLOW IN THE INTAKE PASSAGE OF AN INTERNAL COMBUSTION ENGINE

Title (de)  
VERFAHREN ZUM ERMITTELN EINES SCHÄTZWERTES EINES MASSENSTROMS IN DEN ANSAUGTRAKT EINER BRENNKRAFTMASCHINE

Title (fr)  
PROCEDE POUR DETERMINER UNE VALEUR ESTIMEE D'UN DEBIT MASSIQUE DANS LE CONDUIT D'ADMISSION D'UN MOTEUR A COMBUSTION INTERNE

Publication  
**EP 1362173 B1 20040721 (DE)**

Application  
**EP 01984730 A 20011227**

Priority  
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Abstract (en)  
[origin: WO02059471A1] A measured value (MAP\_MES) of the pressure in a suction pipe is the reference variable of a control loop. The regulated variable is an estimated value (MAP\_EST) of the pressure in the suction pipe, said estimated value being determined according to the regulating variable of the control loop. Said regulating variable is calculated according to the difference between the estimated value (MAP\_EST) and a measured value (MAP\_MES) of the pressure in the suction pipe and according to the temporal change of the measured value (MAP\_MES) of the pressure in the suction pipe. An estimated value (MAF\_EST) of the mass flow in the intake passage (1) is calculated according to the regulating variable.

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