Title (en)

PROCESS FOR FINDING THE MASS OF AIR ENTERING THE CYLINDERS OF AN INTERNAL COMBUSTION ENGINE WITH THE AID OF A MODEL

Title (de)

VERFAHREN ZUM MODELLGESTÜTZTEN BESTIMMEN DER IN DIE ZYLINDER EINER BRENNKRAFTMASCHINE EINSTRÖMENDEN LUFTMASSE

Title (fr)

PROCEDE POUR DETERMINER A L'AIDE D'UN MODELE LE VOLUME D'AIR ADMIS DANS LE CYLINDRE D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 0820559 A1 19980128 (DE)

Application

EP 96909021 A 19960409

Priority

- DE 9600615 W 19960409
- DE 19513601 A 19950410

Abstract (en)

[origin: WO9632579A1] Calculating the mass of air actually flowing into the cylinder with the aid of an inlet pipe filling model which, from the factor angle of throttle valve aperture, environmental pressure and parameters representing the valve control, provides a load value on the basis of which the injection time is determined. In addition, this load value is used in predictions for estimating the load value at a time at least one sampling step later than the actual calculation of the injection time.

IPC 1-7

F02D 41/18; F02D 41/14

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 9632579A1

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