

Title (en)
METHOD AND COMPUTER PROGRAMME FOR OPERATING AN INTERNAL COMBUSTION ENGINE AND AN INTERNAL COMBUSTION ENGINE

Title (de)
VERFAHREN UND COMPUTERPROGRAMM ZUM BETREIBEN EINER BRENNKRAFTMASCHINE SOWIE BRENNKRAFTMASCHINE

Title (fr)
PROCEDE ET PROGRAMME INFORMATIQUE POUR LE FONCTIONNEMENT D'UN MOTEUR A COMBUSTION INTERNE ET LEDIT MOTEUR A COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO0229222A1] An internal combustion engine (10) is operated by a method, according to which petrol is directly injected into a combustion chamber (12). The injection takes place at least temporarily in such a way that in association with a corresponding supply of air into the combustion chamber (12), the petrol-air mixture lies in layers in said combustion chamber (12). The aim of the invention is to reduce the petrol consumption of the internal combustion engine (10) by means of an increased compression ratio, without the risk of knocking. To achieve this, the petrol is injected exclusively during the compression phase of the internal combustion engine (12), even at wide-open throttle, by a multihole fuel injection device (22).

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