

Title (en)

Method of and apparatus for fuelling an internal combustion engine.

Title (de)

Verfahren und Vorrichtung zur Versorgung einer Brennkraftmaschine mit Kraftstoff.

Title (fr)

Méthode et dispositif pour l'alimentation en carburant d'un moteur à combustion interne.

Publication

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Application

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Abstract (en)

During the fuelling of a cylinder (3) of an internal combustion engine (10) having a fuel injector (1) and an inlet manifold (4), a portion of the injected fuel is entrained by an air flow within the manifold and is transported into the cylinder (3). Another portion of the fuel remains within the manifold (4) and contributes to a film of fuel (Mw) from which evaporation occurs. The present invention estimates the mass of fuel that will be lost from each fuel injection and the mass of fuel that will evaporate from the film in order to correct the quantity of the injected fuel to maintain a desired air-fuel ratio.
<IMAGE>

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Citation (search report)

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