

Title (en)

Method of pneumatic fuel injection in a two-stroke engine and such a two-stroke engine.

Title (de)

Verfahren zur pneumatischen Kraftstoffeinpritzung in einen Zweitaktmotor und ein solcher Zweitaktmotor.

Title (fr)

Procédé d'injection pneumatique de carburant dans un moteur à deux temps et moteur à deux temps correspondant.

Publication

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Application

EP 91401184 A 19910506

Priority

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- FR 9013600 A 19901030

Abstract (en)

[origin: FR2668546A2] The engine includes at least one cylinder (1) in which there moves a piston (4) delimiting a combustion chamber (2) and a crank case (5), at least one opening (12) for the intake of fresh air into the combustion chamber (2), at least one opening (13) for the exhaust of burnt gases from the combustion chamber (2), and a pneumatic injection device. The fuel is atomised and injected into the chamber 2 using compressed air coming from an injection capacity (16) communicating in a controlled fashion with the outlet (70) from a compressor (61) having at least two stages. The intake opening (12) communicates with an intermediate outlet (64) from the same compressor where a greater flow rate of less compressed air is available, which is useful for rapidly sweeping the burnt gases out of the combustion chamber. These flows of compressed air are used mainly for the heavy loads on the engine. <IMAGE>

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