

Title (en)

FUEL-INJECTION SYSTEM FOR A TWO-STROKE INTERNAL-COMBUSTION ENGINE

Title (de)

BRENNSTOFFEINSPRITZVORRICHTUNG FÜR EINE ZWEITAKT-BRENNKRAFTMASCHINE

Title (fr)

SYSTEME D'INJECTION DE CARBURANT POUR MOTEUR A COMBUSTION INTERNE A DEUX TEMPS

Publication

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Application

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Abstract (en)

[origin: DE4432635A1] With prior art two-stroke fuel-injection systems, which inject the fuel directly into the combustion chamber by means of a fuel-injection valve, the engine operating parameters which affect the amount of fuel delivered by the fuel-injection pump can only be modified with difficulty and this requires additional equipment to be fitted. The fuel-injection system (1) proposed for a two-stroke engine (4) has a fuel-injection pump (2) with an adjustment device (90) to which the pulsating pressure in the interior (10) of the engine crankcase (11) is fed through an impulse pressure line (100) in order to meter the amount of fuel delivered by the pump in dependence on the pressure in the crankcase, thus ensuring that the optimum amount of fuel is delivered for combustion and hence reducing the exhaust-gas emission and fuel consumption of the engine. This fuel injection system is intended for use in two-stroke internal-combustion engines.

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