

Title (en)

INTERNAL COMBUSTION ENGINE INJECTOR DEVICE AND INJECTION METHOD THEREOF

Title (de)

VERFAHREN UND VORRICHTUNG ZUR EINSPRITZUNG IN EINE BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF INJECTEUR DE CARBURANT POUR MOTEUR A COMBUSTION INTERNE ET PROCEDE D'INJECTION CORRESPONDANT

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Application

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Abstract (en)

[origin: WO0032927A1] Fuel injection device for internal-combustion engines, which device is apt for injecting the fuel reaching a first pressure from a tank in a gaseous phase including air, which is conveyed through air feed ducts to the combustion chambers. According to the invention means for spraying liquid microjets (14; 45) associated to the air feed ducts (2; 7) are provided, said means for spraying liquid microjets (14; 45) comprising at least a pressure microchamber (21) for receiving the fuel, a micronozzle (23) and means for applying a second pressure (24) to the fuel contained in the pressure microchamber (21).

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