

Title (en)
SPARK IGNITION ENGINE WITH IMPROVED OPERATING STABILITY AND SPECIFIC CONSUMPTION AND FUELING METHOD OF SAID ENGINE

Title (de)
OTTOMOTOR MIT VERBESSERTER BETRIEBSSTABILITÄT UND VERBESSEITEM SPEZIFISCHEM VERBRAUCH SOWIE VERFAHREN ZUM BETANKEN DIESER MOTORS

Title (fr)
MOTEUR À ALLUMAGE PAR ÉTINCELLE AYANT UNE STABILITÉ DE FONCTIONNEMENT AMÉLIORÉE ET UNE CONSOMMATION SPÉCIFIQUE ET PROCÉDÉ DE RAVITAILLEMENT EN CARBURANT DUDIT MOTEUR

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Abstract (en)
[origin: WO2019244075A1] A spark ignition engine (1) is described, comprising a cylinder (10) having a cylinder central axis (X1), a cylinder head (11) and a piston (20) movable along the cylinder central axis (X1), wherein a combustion chamber (30) is adapted to be defined between the cylinder head (11) and the piston (20), said engine (1) comprising a PFI (Port Fuel Injection) injector (40) arranged to inject a fuel (41) in PFI mode and at least one gas DI (direct injection) opening (51) arranged to inject gas (52) in DI mode, wherein the at least one gas DI opening (51) is configured to inject the gas (52) into the radial periphery (F1) of the combustion chamber (30). Moreover, a fueling method of said spark ignition engine (1) is described.

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