

Title (en)

INTERNAL COMBUSTION ENGINE, PRE-CHAMBER INSERT, AND FUEL INJECTOR

Title (de)

BRENNKRAFTMASCHINE, VORKAMMEREINSATZ UND KRAFTSTOFFINJEKTOR

Title (fr)

MOTEUR À COMBUSTION INTERNE, INSERT DE CHAMBRE DE PRÉ-COMBUSTION ET INJECTEUR DE CARBURANT

Publication

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Application

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Abstract (en)

[origin: WO2016066365A1] The invention relates to an internal combustion engine (10), comprising at least one cylinder (11), wherein the or each cylinder comprises a main combustion chamber (14) for burning fuel in the cylinder (11), wherein an assembly (15) serving to supply and/or ignite fuel is installed on a cylinder head (12) of each cylinder between gas exhaust valves (13) of the cylinder in such a way that the assembly (15) is inserted into a cut-out (19) in the cylinder head (12) of the cylinder and is sealed to said cut-out, wherein a segment (20) of the assembly (15) that is inserted into the cut-out (19) in the cylinder head (12) of the cylinder (11) has an oval contour in the cross-section, and wherein a bounding surface (21) of said segment (20) of the assembly, which bounding surface lies in the sealing region, is contoured in such a way that said bounding surface is continuously convexly curved outward in the peripheral direction.

IPC 8 full level

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