

Title (en)

Auto ignition engine with combustion chambers for high pressure ignition

Title (de)

Selbstzündende Brennkraftmaschine mit Brennräumen für hohe Zünddrücke

Title (fr)

Moteur à combustion à autoallumage avec chambres de combustion pour allumage à haute pression

Publication

EP 1775455 A3 20130130 (DE)

Application

EP 06019137 A 20060913

Priority

DE 102005048566 A 20051011

Abstract (en)

[origin: EP1775455A2] The engine has a combustion chamber (1) with a control and operating module. A cylinder bore is disposed in a crankcase (5) of the engine. A separate cooled plate is formed between the chamber and a cylinder head (14). The plate is connected with the crank case and a cylinder liner in a form-fit and gas tight manner. A valve seat for inlet and outlet valves is arranged in the plate and an injection valve extends through the plate.

IPC 8 full level

F02F 1/16 (2006.01); **F02F 1/40** (2006.01); **F01P 3/14** (2006.01)

CPC (source: EP US)

F02F 1/16 (2013.01 - EP US); **F02F 1/40** (2013.01 - EP US); **F01P 3/14** (2013.01 - EP US); **F02F 2001/249** (2013.01 - EP US)

Citation (search report)

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DE102010020877A1; DE102010020877B4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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