

Title (en)
INTERNAL COMBUSTION ENGINE

Publication
EP 0483134 B1 19930616 (DE)

Application
EP 89908691 A 19890728

Priority
DE 3825961 A 19880729

Abstract (en)
[origin: WO9001632A1] An internal combustion of high power density comprises a cooling circuit for the cylinder head (10) and cylinder in the region of the upper dead centre of the piston and cooling solely by oil injection into the cylinder in the lower region of the cylinder. The cooling circuit consists not of built-in cooling channels but of a separate component in the form of a jacket (2) which, together with the cylinder and possibly the cylinder head (10), forms the corresponding cooling chambers. To unify the thermal characteristics of the cylinder, a thermal insulation (16), which may serve at the same time as acoustic insulation, is arranged in the lower part of the cylinder.

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F01P 3/08; **F02B 77/11**; **F02F 1/02**

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CPC (source: EP US)
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