

Title (en)  
Liquid-cooled internal-combustion engine.

Title (de)  
Flüssigkeitsgekühlte Brennkraftmaschine.

Title (fr)  
Moteur à combustion interne refroidi par liquide.

Publication  
**EP 0182323 A2 19860528 (DE)**

Application  
**EP 85114580 A 19851116**

Priority  
DE 3442283 A 19841120

Abstract (en)  
1. An internal combustion engine comprising at least one liquid-cooled cylinder fitted with a wet liner (1) which, after its insertion through an upper crankcase cover plate (4) into the crankcase (2), defines together with the crankcase a cooling chamber (7) provided with an inlet (8) and an outlet (10) for the cooling liquid, wherein the inlet's (8) longitudinal extend corresponds substantially to the axial height of the cooling chamber (7), characterized in that the inlet (8) is a wedge-shaped slot worked into the crankcase (2), that the edge of the wedge is disposed in the inlet's (8) lower region, and in that the wedge part disposed in the inlet's (8) upper region is shaped like the arch of a porch so as to cool the thermally most heavily stressed zone in the vicinity of the upper crankcase cover plate more thoroughly by an augmented flow of the cooling liquid.

Abstract (de)  
Es wird eine Brennkraftmaschine mit zumindest einer flüssigkeitsgekühlten Zylindereinheit vorgestellt, wobei der Kühlflüssigkeitszulauf in einen die Zylinderlaufbuchse 1 umgebenden Kühlraum 7 als Schlitz ausgebildet sich über die gesamte Höhe des Kühlraumes 7 erstreckt.

IPC 1-7  
**F02F 1/16**

IPC 8 full level  
**F02F 1/16** (2006.01)

CPC (source: EP)  
**F02F 1/16** (2013.01)

Cited by  
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**EP 0182323 A2 19860528; EP 0182323 A3 19870415; EP 0182323 B1 19891018**; AT E47466 T1 19891115; DE 3442283 A1 19860522; DE 3573821 D1 19891123

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