

Title (en)  
LIQUID-COOLED INTERNAL-COMBUSTION ENGINE

Publication  
**EP 0182323 A3 19870415 (DE)**

Application  
**EP 85114580 A 19851116**

Priority  
DE 3442283 A 19841120

Abstract (en)  
[origin: EP0182323A2] 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.

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

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

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

Citation (search report)

- [A] DE 2828466 A1 19800103 - STEYR DAIMLER PUCH AG
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- [A] FR 2323020 A1 19770401 - KLOECKNER HUMBOLDT DEUTZ AG [DE]
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Cited by  
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Designated contracting state (EPC)  
AT DE FR GB IT

DOCDB simple family (publication)  
**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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