

Title (en)

Liquid cooled cylinder liner for combustion engines

Title (de)

Flüssigkeitsgekühlte Zylinderlaufbüchse für Brennkraftmaschinen

Title (fr)

Chemise d'un cylindre refroidi par eau pour des moteurs à combustion

Publication

**EP 1158154 A3 20020220 (DE)**

Application

**EP 01103857 A 20010216**

Priority

DE 10025527 A 20000523

Abstract (en)

[origin: EP1158154A2] The water-cooled cylinder sleeve (7) has a cooling channel (5) integrated in its rim (6), the end face of which has a sealing surface for a cylinder head gasket. The cooling water is supplied and removed via a transverse bore (3) in the crank housing for each cylinder, communicating with a cooling water bore (4) in the rim of the cylinder sleeve, provided with a seal (8) for preventing water leakage.

IPC 1-7

**F02F 1/16**

IPC 8 full level

**F01P 3/02** (2006.01); **F02F 1/16** (2006.01); **F02F 11/00** (2006.01)

CPC (source: EP US)

**F02F 1/16** (2013.01 - EP US)

Citation (search report)

- [A] DE 1941164 A1 19710225 - MASCHF AUGSBURG NUERNBERG AG
- [A] GB 224540 A 19250521 - FIAT SPA
- [A] FR 552635 A 19230504

Cited by

US10876462B1; US2021017895A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1158154 A2 20011128; EP 1158154 A3 20020220; EP 1158154 B1 20041006**; DE 10025527 A1 20011129; DE 50103940 D1 20041111; JP 2002004940 A 20020109; US 2001047774 A1 20011206; US 6394046 B2 20020528

DOCDB simple family (application)

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