

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 B1 20041006 (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)

Cited by

US10876462B1; US2021017895A1

Designated contracting state (EPC)

DE FR GB IT NL SE

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)

EP 01103857 A 20010216; DE 10025527 A 20000523; DE 50103940 T 20010216; JP 2001154564 A 20010523; US 86455001 A 20010523