

Title (en)
CYLINDER BLOCK FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
ZYLINDERBLOCK FÜR EINE BRENNKRAFTMASCHINE

Title (fr)
BLOC-CYLINDRES POUR UN MOTEUR A COMBUSTION INTERNE

Publication
EP 0613524 B1 19960821 (DE)

Application
EP 93914713 A 19930624

Priority
• DE 4231284 A 19920918
• EP 9301613 W 19930624

Abstract (en)
[origin: US5501189A] PCT No. PCT/EP93/01613 Sec. 371 Date May 16, 1994 Sec. 102(e) Date May 16, 1994 PCT Filed Jun. 24, 1993 PCT Pub. No. WO94/07017 PCT Pub. Date Mar. 31, 1994. A cast iron cylinder block for an internal combustion engine having a crankcase which defines a region for crankshaft bearings. The cylinder block includes: at least two contiguous cylinders having a dividing plane therebetween; a support web interposed between the cylinders and the crankcase for supporting the cylinders on an upper part of the crankcase, the support web including a bore for fastening screws of a seating for a crankshaft bearing; and a cooling jacket surrounding the at least two contiguous cylinders and including on each side of the two contiguous cylinders, in the dividing plane, at least one reinforcing rib having upper and lower ends and a U-shaped cross-section which defines an inner U-profile extending, at the upper end of the reinforcing rib, into an extension defining a bore for a cylinder head stud screw and extending, at the lower end of the reinforcing rib, into an extension of the bore in the support web.

IPC 1-7
F02F 7/00; **F02F 1/10**

IPC 8 full level
F02F 1/10 (2006.01); **F02F 7/00** (2006.01); **F02B 75/18** (2006.01)

CPC (source: EP US)
F02F 1/108 (2013.01 - EP US); **F02F 7/0007** (2013.01 - EP US); **F02B 2075/1816** (2013.01 - EP US)

Designated contracting state (EPC)
AT CH DE ES FR GB IE IT LI SE

DOCDB simple family (publication)
WO 9407017 A1 19940331; AT E141668 T1 19960915; DE 4231284 A1 19940324; DE 59303503 D1 19960926; EP 0613524 A1 19940907; EP 0613524 B1 19960821; ES 2091620 T3 19961101; US 5501189 A 19960326

DOCDB simple family (application)
EP 9301613 W 19930624; AT 93914713 T 19930624; DE 4231284 A 19920918; DE 59303503 T 19930624; EP 93914713 A 19930624; ES 93914713 T 19930624; US 24403294 A 19940516