

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  
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Application  
**EP 93914713 A 19930624**

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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.

Abstract (fr)  
L'invention concerne un bloc-cylindres pour un moteur à combustion interne comportant au moins deux cylindres contigus qui sont entourés d'une chemise d'eau et qui s'appuient sur la partie supérieure du carter. Afin d'obtenir une construction plus résistante tout en réduisant le poids, l'invention suggère que chaque côté extérieur de la chemise d'eau (3) comporte, dans le plan de séparation situé entre deux cylindres (7), une nervure de renforcement (7) à section en U, se prolongeant jusque dans la zone des parties jointives (14) du palier de vilebrequin.

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

IPC 8 full level  
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