

Title (en)
Cylinder block for a piston engine

Title (de)
Zylinderblock für einen Kolbenmotor

Title (fr)
Bloc-cylindres pour un moteur à pistons

Publication
EP 1039118 A3 20010718 (DE)

Application
EP 00105442 A 20000315

Priority
DE 19912692 A 19990320

Abstract (en)
[origin: EP1039118A2] The cylinder block has at least one cylinder liner (2) and cast-in thrust bearings (4) extending from the crankshaft bearing blocks (7) to the support surface (6) of a cylinder head. The thrust bearings are of a light metal alloy, which has higher heat and fatigue resistance and a lower heat expansion coefficient than the cylinder block alloy. The bearings accommodate the bearings screws for cylinder head and crankshaft, or continuous tension rods. The crankshaft bearing blocks are of the same alloy as the thrust bearings, e.g. an alloy with a high silicon and/or iron, copper, nickel content, and with particle or fiber reinforcement. Manufacture is by sintering or cutting sections off an extruded profile.

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F02F 7/00; **F02B 75/22**; **B22D 19/00**

IPC 8 full level
B22D 19/00 (2006.01); **F02B 75/22** (2006.01); **F02F 7/00** (2006.01)

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Citation (search report)

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- [A] EP 0363159 A2 19900411 - FORD MOTOR CO [GB], et al
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