

Title (en)

Cylinder bloc and bearing journal of crankshaft for low noise level internal combustion engine

Title (de)

Zylinderblock und Kurbelwellenlager für Brennkraftmaschine mit niedrigem Geräuschpegel

Title (fr)

Bloc cylindre et palier de vilebrequin pour moteur à combustion interne à bas niveau de bruit

Publication

EP 0647772 B1 19970611 (FR)

Application

EP 94402244 A 19941006

Priority

FR 9312080 A 19931011

Abstract (en)

[origin: EP0647772A1] The internal combustion engine comprises a cylinder head (1), an elongate cylinder block (2), crankshaft bearings (3) beneath the cylinder block, and an oil sump (8). The cylinder block is extended downwards in the form of two down-hanging lateral skirts (4) which do not come directly into contact with the crankshaft bearings. The crankshaft bearings have bearing caps (3b) which are mechanically joined together by two parallel stiffening bars (6). The oil sump (8) is in the form of a large pan fixed, uncoupled, to two lateral flanges (2c) along the cylinder block above the down-hanging skirts. <IMAGE>

IPC 1-7

F02B 77/13; **F02F 7/00**

IPC 8 full level

F02B 77/13 (2006.01); **F02F 7/00** (2006.01); **F01M 11/00** (2006.01)

CPC (source: EP)

F02B 77/13 (2013.01); **F02F 7/008** (2013.01); **F01M 2011/0054** (2013.01); **F02F 2001/104** (2013.01); **F02F 2007/0056** (2013.01)

Cited by

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DE IT

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EP 0647772 A1 19950412; **EP 0647772 B1 19970611**; DE 69403745 D1 19970717; DE 69403745 T2 19971023; FR 2711186 A1 19950421; FR 2711186 B1 19951208

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