

Title (en)
INTERNAL-COMBUSTION ENGINE WITH AT LEAST ONE OVERHEAD CAMSHAFT

Publication
EP 0228533 B1 19890111 (DE)

Application
EP 86115234 A 19861104

Priority
DE 3541700 A 19851126

Abstract (en)
[origin: EP0228533A2] 1. Internal combustion engine having a cylinder block (14), a cylinder head (1) secured to the cylinder block by bolts (12) and at least one overhead camshaft (2), running in bearings consisting of two bearing shells (4, 5), of which one bearing shell (4) is located in the cylinder head (1) and the other bearing shell (5) is located in a bearing cap (3) which is secured to the cylinder head (1) by bolts (6, 8), is such a way that these bearing cap bolts (6, 8) are positioned in the immediate vicinity of the camshaft (2), characterised in that at least one (8) of these bearing cap bolts and at least one cylinder head bolt (12) are in direct axial alignment and that this bearing cap bolt (8) is provided with an axial drilling (15) through which the cylinder head bolt (12) can be inserted.

IPC 1-7
F01L 1/04; **F02F 7/00**; **F16B 35/04**

IPC 8 full level
F01L 1/04 (2006.01); **F01L 1/053** (2006.01); **F02F 1/00** (2006.01); **F02F 7/00** (2006.01); **F16B 35/04** (2006.01)

CPC (source: EP)
F01L 1/053 (2013.01); **F05C 2201/02** (2013.01)

Cited by
CN1088146C; FR2669677A1; EP2341221A1; WO9966176A1; EP0246484B1

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DE FR GB

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EP 0228533 A2 19870715; **EP 0228533 A3 19880224**; **EP 0228533 B1 19890111**; DE 3541700 A1 19870527; DE 3661753 D1 19890216; JP S62131953 A 19870615

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