

Title (en)

A MULTI-CYLINDER INTERNAL COMBUSTION ENGINE, PARTICULARLY FOR MOTOR VEHICLES

Publication

**EP 0376900 B1 19930707 (EN)**

Application

**EP 89830550 A 19891219**

Priority

IT 6817788 A 19881230

Abstract (en)

[origin: EP0376900A1] A multi-cylinder internal combustion engine has a one-piece cylinder block (2) which incorporates the combustion chambers (7) of the cylinders (5), the intake and exhaust ducts (8,9) and seats (10) for the valves and the spark plugs, and is formed with two continuous integral flanges, in single upper plane and a single lower plane respectively (14,15), for the coupling of corresponding flanges (16,20) formed with a timing control assembly (4) and with an oil sump (3). The oil sump (3) is constituted by a structural body which is formed in one piece with the main bearings (26) of the crankshaft (25) of the engine, the main bearing caps (27) simply bearing thereon and being clamped by the block (2) by spacers (36) of calibrated thickness.

IPC 1-7

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

IPC 8 full level

**F02F 1/00** (2006.01); **F02F 7/00** (2006.01); **F02B 1/04** (2006.01); **F02B 75/18** (2006.01)

CPC (source: EP)

**F02F 1/002** (2013.01); **F02F 7/0007** (2013.01); **F02F 7/0053** (2013.01); **F02B 1/04** (2013.01); **F02B 2075/1816** (2013.01); **F02B 2275/20** (2013.01); **F02F 2001/008** (2013.01)

Cited by

FR2858360A1; EP0825339A1; US5842447A; FR2668202A1; US7069898B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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