

Title (en)

STRUCTURE AND METHOD FOR ASSEMBLING CYLINDER BLOCK AND CRANK CASE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ZUSAMMENBAU VON MOTORBLOCK UND KURBELWELLENGEHÄUSE

Title (fr)

STRUCTURE ET PROCEDE PERMETTANT D'ASSEMBLER UN BLOC CYLINDRES ET UN CARTER DE VILEBREQUIN

Publication

EP 0933523 A1 19990804 (EN)

Application

EP 98921802 A 19980526

Priority

- JP 9802292 W 19980526
- JP 13547197 A 19970526

Abstract (en)

A simple structure and method applicable to the assembling of a cylinder block (1) and a crankcase (2) of an engine, particularly to the positioning of rear end surfaces of the cylinder block and crankcase without using dowels that would raise the assembling cost. Positioning members (7) are provided on a rear end surface (6) of at least one of the cylinder block (1) and crankcase (2). The cylinder block and the crankcase are joined with each other with a rear end surface (5) of the other being in contact with the positioning members (7). The positioning members (7) enable the two rear end surfaces (5,6) to be coplanar relative to each other, and therefore the dowels may be dispensed with or precise machining and dimensions are not required to the dowels. As a result, the assembling cost reduction is attained. <IMAGE>

IPC 1-7

F02F 7/00; F02F 1/00; F02B 77/00

IPC 8 full level

F02B 61/06 (2006.01); **F02B 77/00** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP)

F02B 77/00 (2013.01); **F02F 7/0007** (2013.01); **F02F 7/0046** (2013.01); **F02F 7/0073** (2013.01)

Cited by

EP1484487A3; US7314111B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9854456 A1 19981203; DE 69837523 D1 20070524; DE 69837523 T2 20071227; EP 0933523 A1 19990804; EP 0933523 A4 20040331; EP 0933523 B1 20070411; EP 0933523 B8 20070711; JP H10325358 A 19981208

DOCDB simple family (application)

JP 9802292 W 19980526; DE 69837523 T 19980526; EP 98921802 A 19980526; JP 13547197 A 19970526