

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 A4 20040331 (EN)**

Application

**EP 98921802 A 19980526**

Priority

- JP 9802292 W 19980526
- JP 13547197 A 19970526

Abstract (en)

[origin: WO9854456A1] A simple structure and method applicable to the assembling of a cylinder block and a crank case of an engine and the positioning of rear end surfaces of a cylinder block and a crank case without using a dowel that causes the assembling cost to increase, wherein positioning members (7) are provided on a rear end surface (6) of at least one of a cylinder block and a crank case (2), and a cylinder block and the crank case are combined with each other with a rear end surface (5) of the other engaged with the positioning members (7). This enables the two rear end surfaces (5, 6) to be joined to each other so that they become flush with each other owing to the positioning members (7), the use of dowels to be abolished or reduced, and the reduction of the assembling cost to be attained.

IPC 1-7

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

IPC 8 full level

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

Citation (search report)

- [A] US 2002211 A 19350521 - TORNEY FRANKLIN L
- [A] US 3817354 A 19740618 - MEINERS E
- See references of WO 9854456A1

Cited by

EP1484487A3; US7314111B2

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**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

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