

Title (en)

INTERNAL COMBUSTION ENGINE MANUFACTURING METHOD, INTERNAL COMBUSTION ENGINE, AND COUPLING CYLINDER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER BRENNKRAFTMASCHINE, BRENNKRAFTMASCHINE UND KUPPLUNGSZYLINDER

Title (fr)

PROCÉDÉ DE FABRICATION D'UN MOTEUR À COMBUSTION INTERNE, MOTEUR À COMBUSTION INTERNE ET CYLINDRE D'ACCOUPLEMENT

Publication

EP 3741980 A1 20201125 (EN)

Application

EP 18901094 A 20180117

Priority

JP 2018001243 W 20180117

Abstract (en)

To achieve excellent maintainability and recycling efficiency for an internal combustion engine and a high degree of freedom in design of the internal combustion engine, provided are a method of manufacturing an internal combustion engine, an internal combustion engine manufactured by using the method, and a connected cylinder to be used therefor. The method of manufacturing an internal combustion engine (100) includes at least a fitting step of fitting a connected cylinder (10) to a hollow portion (64) of a cylinder block main body (60), the connected cylinder (10) including any one of connected cylinders selected from the group consisting of: (1) a first connected cylinder including two or more cylinder liners and a connecting portion configured to connect the two or more cylinder liners to each other; and (2) a second connected cylinder including a connected cylinder main body portion having two or more cylinder bores and a coating configured to cover an inner peripheral surface of the connected cylinder main body portion in which the cylinder bores are formed, the cylinder block main body (60) having one end side where a crankcase (62) is formed and another end side where a cylinder head is attachable, the hollow portion (64) passing through the cylinder block main body (60) from the one end side to the another end side.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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