

Title (en)

Engine assembly method and injection system

Title (de)

Verfahren zur Montage eines Motors und Einspritzzusammenbau

Title (fr)

Procédé d'assemblage d'un moteur et système d'injection

Publication

EP 1152146 A3 20040128 (DE)

Application

EP 01109829 A 20010421

Priority

US 56369100 A 20000503

Abstract (en)

[origin: EP1152146A2] A method for assembling a fuel injection IC engine has each cylinder fitted with an injector fed by an individual fuel pump. The pump, injector and connecting pipe are pre-assembled and fitted as a module, after leak checking. The fuel pump (12) is fitted with a cam follower (14) and is secured into a recess (58) in the engine block by a fastener (68). The injector (18) is secured into a recess (56) in the cylinder block by a second fastener (62). The recesses have parallel bores for a simple assembly process.

IPC 1-7

F02M 61/14; **F02M 39/00**; **F02M 59/48**

IPC 8 full level

F02F 1/24 (2006.01); **F02M 39/00** (2006.01); **F02M 59/48** (2006.01); **F02M 61/14** (2006.01)

CPC (source: EP US)

F02F 1/242 (2013.01 - EP US); **F02M 39/00** (2013.01 - EP US); **F02M 59/48** (2013.01 - EP US); **F02M 61/14** (2013.01 - EP US)

Citation (search report)

- [XA] EP 0543301 A1 19930526 - KLOECKNER HUMBOLDT DEUTZ AG [DE]
- [PX] WO 0114728 A1 20010301 - STANADYNE AUTOMOTIVE CORP [US]
- [A] DE 19517374 A1 19951116 - CATERPILLAR INC [US]

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1152146 A2 20011107; **EP 1152146 A3 20040128**; **EP 1152146 B1 20050831**; AT E303510 T1 20050915; AU 3897401 A 20011108; AU 775218 B2 20040722; BR 0101666 A 20011226; CA 2342821 A1 20011103; CA 2342821 C 20041012; DE 50107247 D1 20051006; JP 2001355532 A 20011226; US 6321724 B1 20011127

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