

Title (en)

METHOD AND APPARATUS TO MOUNT AN INJECTION PUMP ON AN INTERNAL-COMBUSTION ENGINE

Publication

**EP 0377104 B1 19920916 (DE)**

Application

**EP 89121363 A 19891118**

Priority

DE 3844468 A 19881231

Abstract (en)

[origin: EP0377104A1] A single cylinder plug-in fuel injection pump, particularly for multi-cylinder internal-combustion engines, has a marking device (40) and fixing device (33) by means of which the basic test setting can be marked and fixed on the plug-in pump. The marking device (40) is so designed that the marking and fixing can be undertaken with a reusable marking and tracing pin (32) and the presetting of the plug-in pump thereby obtained takes place without detaching the high pressure connection. The preset plug-in pump allows manufacturers of multi- cylinder internal-combustion engines with an internal-combustion engine control rod fixed in the appropriate operating position, to insert the plug-in pumps functionally correctly into the internal-combustion engine by automatable means. <IMAGE>

IPC 1-7

**F02M 39/00**; **F02M 65/00**

IPC 8 full level

**F02M 39/02** (2006.01); **F02B 75/16** (2006.01); **F02M 39/00** (2006.01); **F02M 59/28** (2006.01); **F02M 59/44** (2006.01); **F02M 59/48** (2006.01); **F02M 65/00** (2006.01)

CPC (source: EP US)

**F02B 75/16** (2013.01 - EP); **F02M 39/00** (2013.01 - EP US); **F02M 65/00** (2013.01 - EP)

Cited by

CN114263555A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0377104 A1 19900711**; **EP 0377104 B1 19920916**; DE 3844468 A1 19900705; DE 58902297 D1 19921022; JP 2880216 B2 19990405; JP H02221671 A 19900904

DOCDB simple family (application)

**EP 89121363 A 19891118**; DE 3844468 A 19881231; DE 58902297 T 19891118; JP 33524289 A 19891226