

Title (en)

METHOD FOR THE PRODUCTION OF A MODULE WITH A MOVING INSERT FOR AN INJECTION VALVE AND INJECTION VALVE

Title (de)

VERFAHREN ZUM HERSTELLEN EINES MODULS MIT EINEM BEWEGLICHEN EINSATZ FÜR EIN EINSPRITZVERTIL UND EINSPRITZVENTIL

Title (fr)

PROCEDE DE FABRICATION D'UN MODULE DOTE D'UN INSERT MOBILE POUR UNE SOUPAPE D'INJECTION ET SOUPAPE D'INJECTION ASSOCIEE

Publication

EP 1530680 B1 20110928 (DE)

Application

EP 03762417 A 20030624

Priority

- DE 0302105 W 20030624
- DE 10229638 A 20020702

Abstract (en)

[origin: WO2004005704A1] A method for the production of a module with a moving insert for an injection valve is disclosed, whereby the insert is arranged such as to move within the module and the module and the insert comprise contact surfaces on a common side. According to the invention, the insert and/or the module are pre-tensioned and whilst in the pre-tensioned state the contact surfaces of the module and the insert are ground to a plane. By applying the pre-tensioning, a tensioning is simulated during the plane grinding which occurs during application of the module in an injection valve. A precise matching of the end surfaces to each other can thus be achieved.

IPC 8 full level

F02M 61/16 (2006.01); **F02M 45/08** (2006.01); **F02M 47/02** (2006.01); **F02M 55/02** (2006.01); **F02M 55/04** (2006.01); **F02M 59/46** (2006.01); **F02M 63/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02M 45/08 (2013.01); **F02M 47/027** (2013.01); **F02M 55/025** (2013.01); **F02M 55/04** (2013.01); **F02M 61/16** (2013.01); **F02M 61/167** (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0225** (2013.01); **F02M 2200/315** (2013.01); **F02M 2200/40** (2013.01)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2004005704 A1 20040115; EP 1518050 A1 20050330; EP 1518050 B1 20111005; EP 1530680 A1 20050518; EP 1530680 B1 20110928; WO 2004005699 A1 20040115

DOCDB simple family (application)

DE 0302105 W 20030624; DE 0301702 W 20030526; EP 03737904 A 20030526; EP 03762417 A 20030624