

Title (en)
INJECTOR FOR AN INJECTION SYSTEM

Title (de)
INJEKTOR FÜR EIN EINSPRITZSYSTEM

Title (fr)
INJECTEUR POUR UN SYSTEME D'INJECTION

Publication
EP 1518050 A1 20050330 (DE)

Application
EP 03737904 A 20030526

Priority
• DE 0301702 W 20030526
• 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 1-7
F02M 55/02; **F02M 45/08**; **F02M 63/02**; **F02M 61/16**; **F02M 47/02**

IPC 8 full level
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 61/16** (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)

Citation (search report)
See references of WO 2004005699A1

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