

Title (en)  
Injector for internal combustion engines

Title (de)  
Einspritzinjektor für Brennkraftmaschinen

Title (fr)  
Injecteur pour moteurs à combustion interne

Publication  
**EP 1347168 B1 20060329 (DE)**

Application  
**EP 03001751 A 20030128**

Priority  
• DE 10212002 A 20020318  
• DE 10259544 A 20021219

Abstract (en)  
[origin: EP1347168A2] Fuel injector for an internal combustion engine comprises a housing (4), a nozzle part held on the housing by a screw connection, and an insert arranged in an axial bore in the housing and having a control element. The insert is tensioned against the nozzle part held on the housing and a counterpart (5) arranged in front of the nozzle part. The insert is also tensioned against the housing via a supporting sleeve (17) supported in shoulders (18, 19) on the housing and on the insert. In the mounted state the length of the supporting sleeve can be compressed. Preferred Features: In the mounted state the supporting sleeve is compressed in the elastic or elastoplastic region.

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 55/00** (2006.01); **F02M 59/46** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)  
**F02M 47/027** (2013.01); **F02M 55/004** (2013.01); **F02M 61/168** (2013.01)

Cited by  
KR100822955B1; DE102007025050B3; WO2006012658A1; WO2005108774A1; WO2008145330A1

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