

Title (en)  
Fuel injector with improved spring arrangement

Title (de)  
Einspritzdüse mit verbesserter Federanordnung

Title (fr)  
Injecteur avec agencement de ressort amélioré

Publication  
**EP 1586763 B1 20070530 (EN)**

Application  
**EP 04252275 A 20040417**

Priority  
EP 04252275 A 20040417

Abstract (en)  
[origin: EP1586763A1] A fuel injector for use in an engine has a pintle (32) biased by a coil spring (34). The spring tension is adjusted by rotating a sleeve (42) surrounding the spring (34), the sleeve (42) having a screw-threaded connection (44) to a fixed part (48) of the injector. The sleeve (42) may be rotated by rotating a filter housing (40) externally of the injector body (30). The sleeve (42) may also act as a guide preventing lateral displacement of the spring (34). <IMAGE>

IPC 8 full level  
**F02M 61/20** (2006.01); **F02M 51/06** (2006.01); **F02M 61/08** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)  
**F02M 51/0653** (2013.01); **F02M 61/08** (2013.01); **F02M 61/205** (2013.01); **F02M 2200/507** (2013.01)

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