

Title (en)  
Fuel injector

Title (de)  
Kraftstoffinjektor

Title (fr)  
Injecteur de combustible

Publication  
**EP 1255039 B1 20100825 (DE)**

Application  
**EP 02100373 A 20020416**

Priority  
DE 10121531 A 20010503

Abstract (en)  
[origin: US2002162905A1] The fuel injector has a housing that is formed from at least one nozzle tension nut, a first injector module and a second injector module. The first injector module and the second injector module adjoin one another and are disposed in the nozzle tension nut. A fuel high-pressure bore is led through the first injector module and the second injector module. A fuel return bore is disposed in the housing. Contact surfaces between the injector modules form a first gap that adjoins the high-pressure bore. Contact surfaces between the nozzle tension nut and the injector modules form a second gap that is connected to the first gap. The return line adjoins the second gap for the discharge of fuel that has entered the second gap from the high-pressure bore via the first gap. The fuel injector is such that the second gap is sealed off relative to the surroundings of the fuel injector.

IPC 8 full level  
**F02M 61/16** (2006.01); **F02M 55/00** (2006.01)

CPC (source: EP US)  
**F02M 55/002** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 2200/16** (2013.01 - EP US)

Citation (examination)  
US 3351288 A 19671107 - PERR JULIUS P

Cited by  
EP1757802A3; DE102021202729A1; WO03042531A1

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**EP 1255039 A2 20021106; EP 1255039 A3 20040526; EP 1255039 B1 20100825**; DE 10121531 A1 20021114; DE 50214604 D1 20101007; US 2002162905 A1 20021107; US 6719221 B2 20040413

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**EP 02100373 A 20020416**; DE 10121531 A 20010503; DE 50214604 T 20020416; US 9390702 A 20020308