

Title (en)

Fuel injection system for internal combustion engine

Title (de)

Einspritzsystem für Kraftstoffeinspritzanlagen

Title (fr)

Système d'injection de combustible pour moteur à combustion interne

Publication

**EP 1118766 A3 20030806 (DE)**

Application

**EP 00127084 A 20001211**

Priority

DE 10002365 A 20000120

Abstract (en)

[origin: EP1118766A2] The fuel injection system has an injector, for direct injection of fuel into the engine combustion chamber, coupled to a high pressure fuel rail (2) via a screw coupling (3) using a threaded nut (4), with at least one pressure limiting device in the vicinity of the screw coupling. The pressure limiting device can be provided by a perpendicular bore (11), which connects the inner part of the screw coupling with the outside atmosphere, positioned shortly above the sealing surface (9) for the high pressure fuel rail.

IPC 1-7

**F02M 55/00**; **F02M 55/02**; **F02M 63/02**; **F16L 19/02**

IPC 8 full level

**F02M 55/00** (2006.01); **F02M 55/02** (2006.01)

CPC (source: EP)

**F02M 55/005** (2013.01); **F02M 55/02** (2013.01); **F02M 55/025** (2013.01)

Citation (search report)

- [Y] DE 19607521 C1 19970410 - GUIDO JUERGEN DIPL ING [DE]
- [YA] DE 1947175 A1 19700402 - SNO TRIK CO
- [Y] US 3402703 A 19680924 - DICKERSON DEVERE C, et al
- [A] GB 2107809 A 19830505 - ROLLS ROYCE

Cited by

EP1783357A1; EP1359317A1; FR2878604A1; GB2614244A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1118766 A2 20010725**; **EP 1118766 A3 20030806**; **EP 1118766 B1 20060322**; DE 10002365 A1 20010802; DE 10002365 B4 20051201; DE 50012438 D1 20060511

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