

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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