

Title (en)

INJECTION SYSTEM FOR INJECTING FUEL INTO THE CYLINDER OF A PISTON-DRIVEN INTERNAL COMBUSTION ENGINE

Publication

EP 0228632 A3 19881019 (DE)

Application

EP 86117289 A 19861211

Priority

CH 4486 A 19860109

Abstract (en)

[origin: EP0228632A2] The injection system for the load-dependent injection of the fuel into a cylinder of a diesel engine in two partial injections, a pre-injection (V) and a main injection (H), is designed in such a way that, at low loads - under, for example, 20 - 50% of the full load - the injected fuel quantity is not distributed over the pre-injection (V) and the main injection (H). Thus irregularities in the fuel injection at the low total fuel quantities which are required at low loads are prevented. <IMAGE>

IPC 1-7

F02M 45/06

IPC 8 full level

F02M 59/26 (2006.01); **F02M 45/06** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

F02M 45/066 (2013.01); **F02B 3/06** (2013.01)

Citation (search report)

- [AD] GB 571485 A 19450827 - BENDIX AVIAT CORP
- [A] GB 641575 A 19500816 - CAV LTD
- [A] US 2590575 A 19520325 - ROGERS GARDINER M
- [A] DE 3430143 A1 19850307 - NISSAN MOTOR [JP]

Cited by

GB2275739A; GB2275739B; GB2219356A; GB2219356B

Designated contracting state (EPC)

FR GB IT NL

DOCDB simple family (publication)

EP 0228632 A2 19870715; **EP 0228632 A3 19881019**; DK 595986 A 19870710; DK 595986 D0 19861211; FI 864598 A0 19861112; FI 864598 A 19870710; JP S62168960 A 19870725

DOCDB simple family (application)

EP 86117289 A 19861211; DK 595986 A 19861211; FI 864598 A 19861112; JP 256887 A 19870108