

Title (en)

Fuel injection system for a multi-cylinder endothermic engine.

Title (de)

Brennstoffeinspritzvorrichtung für eine Mehrzylinderbrennkraftmaschine.

Title (fr)

Système d'injection de combustible pour un moteur endothermique multicylindre.

Publication

EP 0651155 A1 19950503 (EN)

Application

EP 94116844 A 19941025

Priority

IT BO930425 A 19931027

Abstract (en)

The system comprises first cylinders (3a) provided along a first axis (Y), second cylinders (3b) provided along a second axis (Z), intake valves (6), one for each cylinder, a fuel manifold (7), supply pipes (8) which lead to the head of the respective cylinder, and injectors (11), one for each cylinder, in order to inject fuel along a respective supply pipe. The injectors comprise a nozzle (18) in which there is provided an injection hole (23) which is defined along an axis (B) which converges on the longitudinal axis (A) of the injector according to an angle (α). The axis of the injection hole of the injectors which supply the first cylinders converges on the intake valve of the first cylinders, whereas the axis of the injection hole of the injectors which supply the second cylinders converges on the intake valve of the second cylinders. <IMAGE> <IMAGE>

IPC 1-7

F02M 69/04

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] EP 0102164 A2 19840307 - GEN MOTORS CORP [US]
- [A] GB 2142089 A 19850109 - PORSCHE AG
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 282 (M - 843) 28 June 1989 (1989-06-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 223 (M - 829) 24 May 1989 (1989-05-24)

Cited by

EP1146219A1; WO0177512A1

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