

Title (en)

Fuel injection system for internal combustion engines

Title (de)

Brennstoffeinspritzsystem für Brennkraftmaschine

Title (fr)

Système d'injection de carburant pour moteurs à combustion interne

Publication

EP 1717439 A1 20061102 (EN)

Application

EP 06112490 A 20060411

Priority

IT MI20050688 A 20050418

Abstract (en)

The invention concerns a system for the supply of fuel-injection, internal combustion engines, comprising a pump unit and an injector unit which are part of an integrated assembly. In the pump unit, an intake and supply piston (15) forms a movable anchor, displaced by an electromagnet (13) which exercises its force of attraction against a contrast spring (12). The operation of the electromagnet (13) acts on the piston in the intake direction, while the supply stroke of the piston (15) is driven by the sole elastic energy stored in said spring (12). The instant starting fuel injection coincides with the opening instant of the needle (28) of the injector (27).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] WO 9418449 A1 19940818 - SAMPOWER OY [FI], et al
- [DA] EP 0288216 A1 19881026 - EATON SA MONACO [MC]
- [DA] EP 0953764 A1 19991103 - MAGNETI MARELLI SPA [IT]

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AL BA HR MK YU

DOCDB simple family (publication)

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