

Title (en)
FUEL INJECTION DEVICE FOR AN INTERNAL COMBUSTION ENGINE

Publication
EP 0171031 B1 19900207 (DE)

Application
EP 85109666 A 19850801

Priority
DE 3429471 A 19840810

Abstract (en)
[origin: US4658824A] The effective injection cross section of a fuel-injection device is varied by an adjustable shutoff element, whereby the shutoff element is actuatable by an actuating element as a function of operating parameters of the internal-combustion engine. In the operating position, the shutoff element conducts the fuel directly to a spray hole with large cross section, but in the rest position the fuel is only conducted to the spray hole by way of a nozzle opening with a smaller cross section coaxially adjusted to the spray hole.

IPC 1-7
F02M 61/18

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/10** (2006.01); **F02M 61/18** (2006.01); **F02M 45/08** (2006.01)

CPC (source: EP US)
F02M 61/10 (2013.01 - EP US); **F02M 61/18** (2013.01 - EP US); **F02M 45/086** (2013.01 - EP US)

Citation (examination)
• CH 622588 A5 19810415 - SULZER AG [CH]
• GB 1593112 A 19810715 - BOSCH GMBH ROBERT

Cited by
EP2273097A1

Designated contracting state (EPC)
CH FR GB IT LI

DOCDB simple family (publication)
EP 0171031 A2 19860212; EP 0171031 A3 19870422; EP 0171031 B1 19900207; DE 3429471 A1 19860213; DE 3429471 C2 19870430; JP S6170167 A 19860410; US 4658824 A 19870421

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EP 85109666 A 19850801; DE 3429471 A 19840810; JP 17334385 A 19850808; US 76382285 A 19850807