

Title (en)
FUEL INJECTION NOZZLE

Publication
EP 0308855 A3 19900725 (DE)

Application
EP 88115339 A 19880919

Priority
US 9868987 A 19870921

Abstract (en)
[origin: US4796816A] The fuel injection nozzle has a nozzle body 11 with a movable fuel control valve 13. At the front end of the nozzle body 11 there is a spray tip 12 with the discharge orifices 16. The fuel jet disintegrator 17 is running through two opposite located discharge orifices 16. The ends 18 of the disintegrator 17 have a shape of a spring with outer diameter greater than a diameter of the discharge orifices 16. During the operation, fuel jet, coming from the discharge orifice 16, impinges on the disintegrator 17, breaks up into a multitude of tiny particles and produces spray which provides more complete burning of the fuel with the reduction in smoke and fuel consumption.

IPC 1-7
F02M 61/18; **F02M 61/16**

IPC 8 full level
B05B 1/26 (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP US)
B05B 1/262 (2013.01 - EP US); **F02M 61/18** (2013.01 - EP US); **F02M 61/1806** (2013.01 - EP US); **F02M 2200/06** (2013.01 - EP US)

Citation (search report)

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- [XP] PATENT ABSTRACTS OF JAPAN vol. 12, no. 121 (M-686)(2968) 15 April 1988, & JP-A-62 248867 (NIPPON DENSO) 29 Oktober 1987,
- [X] PATENT ABSTRACTS OF JAPAN vol. 10, no. 286 (M-521)(2342) 27 September 1986, & JP-A-61 104156 (NIPPON DENSO) 22 Mai 1986,

Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
US 4796816 A 19890110; EP 0308855 A2 19890329; EP 0308855 A3 19900725

DOCDB simple family (application)
US 9868987 A 19870921; EP 88115339 A 19880919