

Title (en)
An air-assisted single jet injector.

Title (de)
Luftunterstützter-, Einstrahlkraftstoffeinspritzventil.

Title (fr)
Injecteur à jet unique assisté par air.

Publication
EP 0651156 A1 19950503 (EN)

Application
EP 94116846 A 19941025

Priority
IT TO930810 A 19931029

Abstract (en)
An air-assisted single jet injector (1) in which a valve shutter (11) actuated by an electromagnetic actuator (7) controls the formation of jets of fuel through atomisation orifices (15) formed in a delivery element (5) downstream of which an auxiliary atomisation chamber (21) is arranged, defined internally at least in part by a frusto-conical surface (24b) into which open radial holes (25) for the induction of an auxiliary air flow having respective axes perpendicular to the surface (24b). <IMAGE> <IMAGE>

IPC 1-7
F02M 69/04; **F02M 69/08**; **F02M 51/06**; **F02M 61/18**

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/18** (2006.01); **F02M 69/04** (2006.01); **F02M 69/08** (2006.01)

CPC (source: EP)
F02M 51/0667 (2013.01); **F02M 61/1853** (2013.01); **F02M 69/047** (2013.01); **F02M 69/08** (2013.01)

Citation (search report)
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• [A] DE 4112853 A1 19921022 - BOSCH GMBH ROBERT [DE]
• [A] DE 4119206 A1 19911219 - NISSAN MOTOR [JP]
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• [Y] PATENT ABSTRACTS OF JAPAN vol. 14, no. 60 (M - 931)<4003> 5 February 1990 (1990-02-05)

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EP 94116846 A 19941025; DE 69418139 T 19941025; ES 94116846 T 19941025; IT TO930810 A 19931029