

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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• [Y] PATENT ABSTRACTS OF JAPAN vol. 14, no. 60 (M - 931)<4003> 5 February 1990 (1990-02-05)

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Designated contracting state (EPC)  
DE ES FR GB SE

DOCDB simple family (publication)  
**EP 0651156 A1 19950503**; **EP 0651156 B1 19990428**; DE 69418139 D1 19990602; DE 69418139 T2 19991111; ES 2132305 T3 19990816; IT 1261325 B 19960514; IT TO930810 A0 19931029; IT TO930810 A1 19950429

DOCDB simple family (application)  
**EP 94116846 A 19941025**; DE 69418139 T 19941025; ES 94116846 T 19941025; IT TO930810 A 19931029