

Title (en)  
Injection nozzle

Title (de)  
Einspritzdüse

Title (fr)  
Gicleur

Publication  
**EP 0718550 B1 20000301 (DE)**

Application  
**EP 95810745 A 19951129**

Priority  
DE 4445279 A 19941219

Abstract (en)  
[origin: EP0718550A1] The injection nozzle comprises a fuel pipe (2) with a branch channel (7). The fuel is directed through slits (6) in the fuel pipe via the branch channel to an atomizer edge (5). The inside of the branch channel comprises distribution plates (3) with distribution pins (4) arranged between same. At least one intermediate piece (8) is mounted in the branch pipe so that several distribution plates are formed. The injection nozzle can be aerodynamically designed on the outside. The gap width (t) of the channel at the atomizer edge is at most a half millimetre.

IPC 1-7  
**F23D 11/12**; **F23D 11/38**

IPC 8 full level  
**F23C 7/00** (2006.01); **F23D 11/12** (2006.01); **F23D 11/38** (2006.01); **F23D 11/40** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP US)  
**F23C 7/002** (2013.01 - EP US); **F23D 11/402** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US)

Cited by  
EP2314923A2; DE102009045950A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**DE 4445279 A1 19960620**; CN 1133419 A 19961016; DE 59507901 D1 20000406; EP 0718550 A1 19960626; EP 0718550 B1 20000301; JP H08226620 A 19960903; US 5588824 A 19961231

DOCDB simple family (application)  
**DE 4445279 A 19941219**; CN 95119883 A 19951212; DE 59507901 T 19951129; EP 95810745 A 19951129; JP 32585895 A 19951214; US 55212195 A 19951102