

Title (en)  
FUEL INJECTION NOZZLE

Publication  
**EP 0370659 B1 19921230 (EN)**

Application  
**EP 89311599 A 19891109**

Priority  
GB 8827107 A 19881119

Abstract (en)  
[origin: EP0370659A1] A fuel injection nozzle has a fuel pressure actuated valve member 13 shaped to co-operate with a seating 12 to control fuel flow through an outlet orifice 14 extending from a space 11 downstream of the seating 12. The orifice 14 at its inner end is radiused the radius lying between 0.3 and 0.75 of the diameter of the orifice at the region of greatest separation of the fuel as it flows into the orifice and between .05 and 0.2 of the diameter of the orifice in the region of least separation of the fuel.

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

IPC 8 full level  
**F02M 61/18** (2006.01)

CPC (source: EP)  
**F02M 61/1846** (2013.01)

Cited by  
EP0730089A1; FR2796104A1; EP0890735A3; CN104929837A; CN105332840A; DE19507188C1; EP0809017A1; US5934571A; EP1312796A3; DE19507171C1; EP0730090A3; US5875973A; EP2009276A1; US6695230B1; US7011257B2; EP0890735A2; WO02063161A1; WO02095218A1; WO0104490A1; WO2005064150A1; US6247655B1; EP1644636B2

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0370659 A1 19900530; EP 0370659 B1 19921230**; DE 68904172 D1 19930211; DE 68904172 T2 19930715; ES 2037962 T3 19930701; GB 8827107 D0 19881221

DOCDB simple family (application)  
**EP 89311599 A 19891109**; DE 68904172 T 19891109; ES 89311599 T 19891109; GB 8827107 A 19881119