

Title (en)  
FUEL INJECTOR FOR AN INTERNAL-COMBUSTION ENGINE

Publication  
**EP 0099991 B1 19870304 (DE)**

Application  
**EP 83106279 A 19830628**

Priority  
DE 3227989 A 19820727

Abstract (en)  
[origin: US4502326A] A fuel injection nozzle for internal combustion engines is proposed, having a valve needle and an induction coil, the armature of which is coupled with the valve needle and which serves to emit signals depending on the needle stroke or needle speed for a measuring device which can be connected to the injection nozzle. The induction coil is associated with a coil core, which is disposed such that it is displaceable in the axial direction in such a manner that a predetermined value for the initial inductance of the induction coil can be adjusted independently of the tolerances of the individual structural parts of the injection nozzle.

IPC 1-7  
**F02M 65/00**

IPC 8 full level  
**F02M 51/06** (2006.01); **F02M 61/10** (2006.01); **F02M 65/00** (2006.01)

CPC (source: EP US)  
**F02M 65/005** (2013.01 - EP US)

Citation (examination)  
FR 2136705 A5 19721222 - MASCHF AUGSBURG NUERNBERG AG

Cited by  
EP0314666A3; EP0656475A1; US5271270A; DE4108416C2; WO9006439A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0099991 A1 19840208; EP 0099991 B1 19870304**; DE 3227989 A1 19840202; DE 3370055 D1 19870409; JP H0425433 B2 19920430; JP S5934476 A 19840224; US 4502326 A 19850305

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