

Title (en)  
FUEL INJECTION NOZZLE FOR INTERNAL COMBUSTION ENGINES

Publication  
**EP 0294586 A3 19900131 (DE)**

Application  
**EP 88107193 A 19880505**

Priority  
DE 3719458 A 19870611

Abstract (en)  
[origin: EP0294586A2] Fuel injection nozzle for internal combustion engines with a post- connected incandescent element (26) which is electrically conductively connected to a contact ring (64) fixed on the cap nut (14) in an insulated manner by means of a conductor element (62) extending between nozzle body (10) and cap nut (14). The conductor element (62) and the contact ring (64) are fitted at corresponding points on the circumference with contact tongues (72) or (103), which extend into the area of through holes (96) in the wall of the cap nut (14) and bear there on contact elements (100) inserted in an insulated manner into the through holes in the wall. In this way the live parts are reliably insulated by simple means with respect to the through holes (96) in the wall and these are sealed watertight. <IMAGE>

IPC 1-7  
**F02M 57/00**; **F02M 53/06**

IPC 8 full level  
**F02M 53/06** (2006.01); **F02M 57/00** (2006.01); **F23Q 7/00** (2006.01)

CPC (source: EP)  
**F02M 53/06** (2013.01); **F02M 57/00** (2013.01); **F23Q 7/001** (2013.01)

Citation (search report)  
• [AD] DE 3502098 A1 19860724 - BOSCH GMBH ROBERT [DE]  
• [A] DE 1207147 B 19651216 - BERU WERK RUPRECHT GMBH CO A

Cited by  
US5785024A; US4993390A; US6196195B1; US6155236A; EP0773360A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0294586 A2 19881214**; **EP 0294586 A3 19900131**; **EP 0294586 B1 19911218**; DE 3719458 A1 19881229; DE 3866956 D1 19920130; JP S6419167 A 19890123

DOCDB simple family (application)  
**EP 88107193 A 19880505**; DE 3719458 A 19870611; DE 3866956 T 19880505; JP 14189388 A 19880610