

Title (en)
FUEL INJECTION NOZZLE WITH NEEDLE LIFT SENSOR

Publication
EP 0303589 A3 19900131 (DE)

Application
EP 88890199 A 19880728

Priority
DE 3726712 A 19870811

Abstract (en)
[origin: EP0303589A2] A fuel injection nozzle with needle lift sensor has a nozzle body (1) and a nozzle holder (8) connected to this via an intermediate plate (4). Between an annular shoulder (23) on the nozzle needle (3) and the intermediate plate (4) a working air gap (1) is provided. A coil (16) is radially separated from a hole (5) in the intermediate plate defined by the ferromagnetic material of the intermediate plate (4), the flux determining the magnetic circuit of the coil (16) running via the section (19), located between the coil (16) and the hole (5), of the intermediate plate (4) and via the working air gap (1). <IMAGE>

IPC 1-7
F02M 61/16; F02M 65/00

IPC 8 full level
F02M 65/00 (2006.01)

CPC (source: EP)
F02M 65/005 (2013.01)

Citation (search report)
• [YD] DE 2932480 A1 19810226 - BOSCH GMBH ROBERT
• [Y] EP 0132623 A2 19850213 - BOSCH GMBH ROBERT [DE]
• [A] EP 0068339 A1 19830105 - BOSCH GMBH ROBERT [DE]

Cited by
DE4325904A1; US5479902A; GB2260165A; DE4108416C2; WO2015039992A1; EP1598544A2

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI SE

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