

Title (en)

ELECTROMAGNETICALLY ACTUATED FUEL INJECTOR

Publication

EP 0184126 B1 19880420 (DE)

Application

EP 85115033 A 19851127

Priority

DE 3444452 A 19841206

Abstract (en)

[origin: US4721254A] An electromagnetically actuatable fuel-injection valve for injection systems of internal combustion engines has a valve housing, a soft-iron core which is located within the valve housing and bears a fixed solenoid winding, and a valve closure plate which forms an armature and coaxially faces said core forming an air gap with it. This plate can be urged by a compression spring against an annular seat 10 which surrounds an outlet, and whose radially circumferential edge is guided in axial movement along a guide which correspondingly surrounds said edge. The valve closure plate has a coaxially protruding plug which extends through or into the outlet.

IPC 1-7

F02M 51/08; **F02M 61/06**

IPC 8 full level

F02M 51/06 (2006.01); **F02M 51/08** (2006.01); **F02M 61/06** (2006.01)

CPC (source: EP US)

F02M 51/0639 (2013.01 - EP US); **F02M 51/08** (2019.01 - EP US); **F02M 61/06** (2013.01 - EP US); **F02M 2200/07** (2013.01 - EP US); **F02M 2200/9015** (2013.01 - EP US)

Citation (examination)

Buch: "Otto-und Dieselmotoren" Dipl. Ing. Heinz Grohe, Vogel-Verlag Würzburg, 5. Auflage 1981, Seiten 109,110

Cited by

WO2010000514A1; WO2019115056A1; WO2010000516A1

Designated contracting state (EPC)

AT DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0184126 A1 19860611; **EP 0184126 B1 19880420**; AT E33701 T1 19880515; DE 3444452 A1 19860612; DE 3562290 D1 19880526; US 4721254 A 19880126

DOCDB simple family (application)

EP 85115033 A 19851127; AT 85115033 T 19851127; DE 3444452 A 19841206; DE 3562290 T 19851127; US 80508685 A 19851204