

Title (en)

Improved electroinjector for feeding fuel to an internal combustion engine.

Title (de)

Elektroinjektor zur Brennstoffzufuhr zu einem Innenverbrennungsmotor.

Title (fr)

Electro-injecteur pour l'alimentation en combustible d'une machine à combustion interne.

Publication

**EP 0172591 A1 19860226 (EN)**

Application

**EP 85201124 A 19850709**

Priority

IT 2186984 A 19840712

Abstract (en)

An electroinjector suitable to supply fuel in internal combustion engines, with intermittent delivery rate, comprising a shoulder element (24), of substantial annular shape and of substantially amagnetic material, said shoulder element being positioned between the armature (12) and the core of (10) said electroinjector.

IPC 1-7

**F02M 51/08; H01F 7/08**

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 51/08** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP)

**F02M 51/0667** (2013.01); **F02M 51/08** (2019.02); **H01F 7/1607** (2013.01)

Citation (search report)

- [Y] FR 2241008 A1 19750314 - TECH HAUTE PRECISION [FR]
- [Y] DE 3015192 A1 19811022 - INNOVATION TECH AVANCES INNOTA [FR]
- [Y] US 4311280 A 19820119 - KNAPE RICHARD S
- [Y] DE 2123145 A1 19711125 - VYZK USTAV AUTOMATIZACZNICH PR
- [Y] US 2988675 A 19610613 - BANCROFT JAMES E
- [A] DE 2639274 A1 19780302 - BINDER MAGNETE
- [A] PATENTS ABSTRACTS OF JAPAN, vol. 7, no. 106 (M-213)[1251], 10th May 1983; & JP - A - 58 27876 (AISAN KOGYO K.K.) 18-02-1983

Cited by

FR2751701A1; DE102005035613B3; DE3834447A1; FR2751700A1; EP1089301A1; RU2494281C1; EP1279826A1; FR2606830A1; US5012982A; US5732888A; CN1049951C; EP0301620A3; EP1088986A1; EP0215527A1; WO9516125A1; WO9803789A1; WO9516126A1; WO8804727A1; WO9303272A1; WO2015074927A1; EP0454675B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0172591 A1 19860226; EP 0172591 B1 19890308**; DE 3568610 D1 19890413; IT 1175561 B 19870701; IT 8421869 A0 19840712; IT 8421869 A1 19860112

DOCDB simple family (application)

**EP 85201124 A 19850709**; DE 3568610 T 19850709; IT 2186984 A 19840712