

Title (en)

Electric diaphragm type fuel pump for a motor vehicle

Title (de)

Elektrische Membranbrennstoffpumpe für ein Kraftfahrzeug

Title (fr)

Pompe à carburant électrique du type à membrane pour véhicule automobile

Publication

**EP 1460260 A3 20051026 (FR)**

Application

**EP 04290703 A 20040315**

Priority

FR 0303338 A 20030319

Abstract (en)

[origin: EP1460260A2] The pump has a membrane (50) with its peripheral end attached between a guiding body (20) and a hydraulic block. A piston (22) driving mechanism comprises a cam (42) having an eccentric cylinder that is driven, through intermediate gears, by an engine shaft. Axes of gears and the cam are parallel to the shaft and perpendicular to the direction of movement of the piston.

IPC 1-7

**F02M 37/08**; F04B 43/04; F02M 37/04; F02B 43/04

IPC 8 full level

**F02M 37/08** (2006.01)

CPC (source: EP)

**F02M 37/08** (2013.01)

Citation (search report)

- [Y] DE 3410305 C1 19850905 - ALLDOS EICHLER KG
- [Y] EP 0556587 A1 19930825 - SUMITOMO HEAVY INDUSTRIES [JP]
- [Y] US 3774477 A 19731127 - MURPHY D
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01 30 January 1998 (1998-01-30)

Cited by

EP1813803A1; FR2940368A1; CN109944781A; EP1837514A1; FR2940370A1; WO2010069971A1; WO2010069973A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1460260 A2 20040922**; **EP 1460260 A3 20051026**; CN 1532401 A 20040929; FR 2852635 A1 20040924; FR 2852635 B1 20060623; TW 200502485 A 20050116; TW I254100 B 20060501

DOCDB simple family (application)

**EP 04290703 A 20040315**; CN 200410030139 A 20040319; FR 0303338 A 20030319; TW 93107260 A 20040318