

Title (en)

Planar magnetic motor and magnetic microactuator with such a motor

Title (de)

Planarer magnetischer Motor und magnetischer Microantrieb mit einem solchen Motor

Title (fr)

Moteur planaire magnétique et micro-actionneur magnétique comportant un tel moteur

Publication

EP 0869519 B1 20020220 (FR)

Application

EP 98400763 A 19980331

Priority

FR 9703961 A 19970401

Abstract (en)

[origin: EP0869519A1] The winds are wound and connected between one another in order to combine the magnetic flows generated across the magnetic poles (111,121). The magnetic planar motor can be incorporated in a magnetic micro-activator which incorporates also a mechanical unit (200) with mobile contact, including a support frame (210) placed on the surface of the ferro-magnetic substrate through the intermediary of a spacer, and a flexible sheet (240) arranged essentially parallel to the surface of the substrate. An extremity of the flexible sheet is fixed on the support frame and the sheet also supports a core (230) of ferro-magnetic material and a mobile contact (220) forming part of the core faces a fixed contact (150) provided on the surface of the substrate.

IPC 1-7

H01H 1/00

IPC 8 full level

H01H 50/00 (2006.01)

CPC (source: EP US)

H01H 50/005 (2013.01 - EP US); **H01H 2050/007** (2013.01 - EP US)

Cited by

EP1399939A4; EP1437036A4; US7253710B2; US7420447B2; US7266867B2; US7250838B2; WO0157899A1; US7202765B2; US7027682B2; US7183884B2; US6836194B2; US7342473B2; US7300815B2; US6469603B1; US6469602B2; US7391290B2; US7327211B2; US6794965B2; US6633212B1; US7071431B2; US7372349B2; US6894592B2; US6496612B1

Designated contracting state (EPC)

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