

Title (en)

A PLANAR POP-UP ACTUATOR DEVICE WITH EMBEDDED ELECTRO-MAGNETIC ACTUATION

Title (de)

PLANARER POP-UP-AKTUATORVORRICHTUNG MIT EINGEBETTETER ELEKTROMAGNETISCHER BETÄTIGUNG

Title (fr)

DISPOSITIF ACTIONNEUR ESCAMOTABLE PLAN À ACTIONNEMENT ÉLECTROMAGNÉTIQUE INTÉGRÉ

Publication

EP 3494630 A2 20190612 (EN)

Application

EP 17772460 A 20170804

Priority

- US 201615229157 A 20160805
- US 201762512108 P 20170529
- IB 2017054799 W 20170804

Abstract (en)

[origin: WO2018025241A2] A planar actuator device, including a base plate including a first, second, and third pair of planar coils, each pair of planar coils having an inner coil and an outer coil, each pair of planar coils arranged along a first, second, and third linear motion axis, respectively, the first, second, and third linear motion axis arranged in a star configuration, and an actuation mechanism including a first, second, and third planar legs and a centerpiece, the first, second and third planar legs pivotably connected to the centerpiece, the planar legs including a first, second, and third sliding element and a first, second, and third middle section, respectively, a sliding element and middle section of a respective leg pivotably connected to each other, each sliding element including a permanent magnet.

IPC 8 full level

B81B 3/00 (2006.01); **H02K 3/26** (2006.01); **H02K 33/12** (2006.01)

CPC (source: EP)

H02K 3/26 (2013.01); **H02K 33/12** (2013.01)

Citation (search report)

See references of WO 2018025241A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018025241 A2 20180208; **WO 2018025241 A3 20180412**; EP 3494630 A2 20190612

DOCDB simple family (application)

IB 2017054799 W 20170804; EP 17772460 A 20170804