

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

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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

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CPC (source: EP)

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