

Title (en)

MAGNET ACTUATOR FOR AN ELECTRONIC DEVICE AND ELECTRONIC DEVICE COMPRISING SAID MAGNET ACTUATOR

Title (de)

MAGNETAKTUATOR FÜR EINE ELEKTRONISCHE VORRICHTUNG UND ELEKTRONISCHE VORRICHTUNG MIT BESAGTEM MAGNETAKTUATOR

Title (fr)

ACTIONNEUR MAGNÉTIQUE DESTINÉ À UN DISPOSITIF ÉLECTRONIQUE ET DISPOSITIF ÉLECTRONIQUE COMPRENANT LEDIT ACTIONNEUR MAGNÉTIQUE

Publication

EP 3782379 A1 20210224 (EN)

Application

EP 18737857 A 20180629

Priority

EP 2018067634 W 20180629

Abstract (en)

[origin: WO2020001787A1] A magnet actuator (1) for use in an electronic device (2) comprising a coil (3), a magnet (4), a first housing (5), and a second housing (6), the coil (3) being at least partially located within, and fixed to, the first housing (5), the magnet (4) being at least partially located within, and fixed to, the second housing (6). The first housing (5) comprises a magnetic material, and a magnetic field, generated by the magnet (4) and the first housing (5) causes an attractive force (F) between the magnet (4) and the first housing (5), the magnet (4) and the first housing (5) being in a force equilibrium state, wherein an air gap (7) is provided between the magnet (4) and the coil (3). Manipulating electrical current in the coil (3) causes a change in the attractive force (F), thereby causing a displacement between the magnet (4) and the first housing (5), allowing vibrations to be generated within the electronic device (2).

IPC 8 full level

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