

Title (en)
SELF-PROPELLED DEVICE WITH MAGNETIC COUPLING

Title (de)
SELBSTANGETRIEBENE VORRICHTUNG MIT MAGNETISCHER KUPPLUNG

Title (fr)
DISPOSITIF AUTOMOTEUR À COUPLAGE MAGNÉTIQUE

Publication
EP 3180236 A4 20180711 (EN)

Application
EP 15831882 A 20150812

Priority

- US 201414459235 A 20140813
- US 201514663446 A 20150319
- DE 202015002763 U 20150415
- US 201562149441 P 20150417
- US 201514691349 A 20150420
- US 2015030877 W 20150514
- CN 201510463007 A 20150731
- CN 201510463336 A 20150731
- CN 201520569002 U 20150731
- CN 201520569257 U 20150731
- US 2015044885 W 20150812

Abstract (en)
[origin: WO2016025617A1] A self-propelled device includes a spherical housing and an internal drive system including one or more motors. The internal drive system acts to provide power to an interior surface of the spherical housing, thereby causing the self-propelled device to move. A biasing assembly can be included to enable the internal drive system to continuously engage an inner surface of the spherical housing. An external accessory magnetically interacts with interior magnetic components through the spherical housing such that as the self-propelled device rotates and maneuvers, the accessory component maintains a positional relationship to a top portion of the self-propelled device.

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Citation (search report)

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- [A] US 2011294397 A1 20111201 - TSAI LIN WEI [TW]
- See references of WO 2016025617A1

Designated contracting state (EPC)
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