

Title (en)

DEVICE FOR NON-CONTACT POWER GENERATION

Title (de)

VORRICHTUNG ZUR BERÜHRUNGSLOSEN STROMERZEUGUNG

Title (fr)

DISPOSITIF POUR LA PRODUCTION DE COURANT SANS CONTACT

Publication

**EP 2875569 A2 20150527 (DE)**

Application

**EP 13753573 A 20130719**

Priority

- DE 202012007030 U 20120721
- EP 2013002147 W 20130719

Abstract (en)

[origin: WO2014015968A2] The invention relates to a device for non-contact power generation on metallic mating elements (1), in particular on metallic elements such as rails, gates or conveyor chains, having at least one movable sequence of magnets (2) which rest without contact on the mating elements in an alternating pole sequence and which, during the longitudinal movement of a mating element (1), are driven in circulation with respect to the device. For the purpose of improved utilization of the inductive coupling and with the effect of a more compact and simpler design, said device is configured such that the magnets interact with at least one coil (3) to generate power as they circulate.

IPC 8 full level

**H02K 7/18** (2006.01); **H02K 7/11** (2006.01)

CPC (source: EP)

**H02K 7/11** (2013.01); **H02K 7/1869** (2013.01); **H02K 49/04** (2013.01)

Citation (search report)

See references of WO 2014015968A2

Citation (examination)

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- WO 0133700 A1 20010510 - RELIGHT [DK], et al
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- BEN COXWORTH: "MAGNIC LIGHT CLAIMS NEW FORM OF NO-CONTACT BICYCLE DYNAMO LIGHTING", INTERNET CITATION, 16 February 2012 (2012-02-16), pages 1 - 9, XP003035180, Retrieved from the Internet <URL:HTTP://WWW.GIZMAG.COM/MAGNIC-LIGHT-CONTACTLESS-DYNAMO/21494> [retrieved on 20150301]

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)

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