

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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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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