Title (en)

METHOD AND APPARATUS FOR CONTACTLESS TRANSMISSION OF ELECTRICAL ENERGY BETWEEN A WALL AND A DOOR LEAF/ WINDOW SASH FASTENED TO THIS WALL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KONTAKTLOSEN ÜBERTRAGUNG VON ELEKTRISCHER ENERGIE ZWISCHEN EINER WAND UND EINEM AN DIESER WAND BEFESTIGTEN FLÜGEL

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT UNE TRANSMISSION SANS CONTACT D'ÉNERGIE ÉLECTRIQUE ENTRE UNE PAROI ET UN VANTAIL FIXÉ À LADITE PAROI

Publication

EP 2707858 A1 20140319 (DE)

Application

EP 11775748 A 20110929

Priority

- DE 102011050342 A 20110513
- EP 2011067020 W 20110929

Abstract (en)

[origin: WO2012155996A1] Method and apparatus for contactless transmission of electrical energy between a wall and a door leaf/window sash fastened to this wall in articulated fashion using hinges about a hinge axis, in which a primary power coil (117) fastened to the wall and a secondary power coil (121) fastened to the leaf/sash are provided, wherein primary power electronics are provided, in which a transmission characteristic in the form of a function of the power available at the secondary power coil (121) in dependence on the primary power supplied to the primary power coil can be stored.

IPC 8 full level

G08B 13/04 (2006.01); **E05D 11/00** (2006.01); **H02J 5/00** (2006.01)

CPC (source: EP US)

E05D 7/00 (2013.01 - US); **E05D 11/0081** (2013.01 - EP US); **E05F 15/00** (2013.01 - US); **E06B 7/28** (2013.01 - US); **H02J 50/005** (2020.01 - EP US); **H02J 50/10** (2016.02 - EP US); **H02J 50/70** (2016.02 - EP US); **H02J 50/80** (2016.02 - US); E05Y 2400/66 (2013.01 - EP US); E05Y 2800/00 (2013.01 - EP US); E05Y 2900/132 (2013.01 - EP US); E05Y 2900/148 (2013.01 - EP US); G08B 13/08 (2013.01 - EP US)

Citation (search report)

See references of WO 2012155996A1

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

DOCDB simple family (publication)

DE 102011050342 A1 20121115; BR 112013028809 A2 20170131; CN 103534737 A 20140122; EP 2707858 A1 20140319; RU 2013155465 A 20150620; RU 2561456 C2 20150827; US 2015130287 A1 20150514; WO 2012155996 A1 20121122

DOCDB simple family (application)

DE 102011050342 A 20110513; BR 112013028809 A 20110929; CN 201180070819 A 20110929; EP 11775748 A 20110929; EP 2011067020 W 20110929; RU 2013155465 A 20110929; US 201114117038 A 20110929