

Title (en)

POWER DENSITY CONTROL FOR WIRELESS POWER TRANSFER

Title (de)

STROMDICHTENSTEUERUNG ZUR DRAHTLOSEN STROMÜBERTRAGUNG

Title (fr)

COMMANDE DE DENSITÉ DE PUISSANCE POUR TRANSFERT D'ÉNERGIE SANS FIL

Publication

EP 3325178 A4 20190227 (EN)

Application

EP 16828570 A 20160721

Priority

- US 201514805560 A 20150722
- US 2016043421 W 20160721

Abstract (en)

[origin: WO2017015506A1] A signal generator generates an electrical signal that is sent to an amplifier, which increases the power of the signal using power from a power source. The amplified signal is fed to a sender transducer to generate ultrasonic waves that can be focused and sent to a receiver. The receiver transducer converts the ultrasonic waves back into electrical energy and stores it in an energy storage device, such as a battery, or uses the electrical energy to power a device. In this way, a device can be remotely charged or powered without having to be tethered to an electrical outlet.

IPC 8 full level

H02J 50/15 (2016.01); **B06B 1/02** (2006.01); **G10K 11/34** (2006.01); **H04B 11/00** (2006.01)

CPC (source: EP KR US)

B06B 1/02 (2013.01 - EP KR US); **G10K 11/341** (2013.01 - KR); **H02J 7/00034** (2020.01 - KR); **H02J 50/15** (2016.02 - EP KR); **H02J 50/80** (2016.02 - EP KR US); **G10K 11/341** (2013.01 - EP); **H02J 7/00034** (2020.01 - EP US)

Citation (search report)

- [X] US 2012299540 A1 20121129 - PERRY MEREDITH [US]
- See references of WO 2017015506A1

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)

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DOCDB simple family (application)

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