

Title (en)
SYSTEMS AND METHODS FOR WIRELESS POWER TRANSMISSION

Title (de)
SYSTEME UND VERFAHREN ZUR DRAHTLOSEN STROMÜBERTRAGUNG

Title (fr)
SYSTÈMES ET PROCÉDÉS DE TRANSMISSION D'ÉNERGIE SANS FIL

Publication
EP 3241224 A4 20180530 (EN)

Application
EP 15876036 A 20151222

Priority
• US 201414584061 A 20141229
• US 2015067291 W 20151222

Abstract (en)
[origin: WO2016109316A1] The embodiments described herein include a transmitter that transmits a power transmission signal (e.g., radio frequency (RF) signal waves) to create a three-dimensional pocket of energy. At least one receiver can be connected to or integrated into electronic devices and receive power from the pocket of energy. The transmitter can locate the at least one receiver in a three-dimensional space using a communication medium (e.g., Bluetooth technology). The transmitter generates a waveform to create a pocket of energy around each of the at least one receiver. The transmitter uses an algorithm to direct, focus, and control the waveform in three dimensions. The receiver can convert the transmission signals (e.g., RF signals) into electricity for powering an electronic device. Accordingly, the embodiments for wireless power transmission can allow powering and charging a plurality of electrical devices without wires.

IPC 8 full level
H02J 50/20 (2016.01); **H01F 27/42** (2006.01); **H02J 50/40** (2016.01)

CPC (source: EP KR US)
H02J 50/20 (2016.02 - EP KR US); **H02J 50/40** (2016.02 - EP KR US); **H02J 50/402** (2020.01 - EP US); **H04B 5/26** (2024.01 - KR); **H04B 5/79** (2024.01 - KR)

Citation (search report)
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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

DOCDB simple family (publication)
WO 2016109316 A1 20160707; CN 107408448 A 20171128; CN 107408448 B 20190614; CN 110289701 A 20190927;
CN 110289701 B 20231124; EP 3241224 A1 20171108; EP 3241224 A4 20180530; JP 2018506252 A 20180301; JP 2021182858 A 20211125;
JP 6912380 B2 20210804; JP 7274533 B2 20230516; KR 20170100649 A 20170904

DOCDB simple family (application)
US 2015067291 W 20151222; CN 201580077115 A 20151222; CN 201910405209 A 20151222; EP 15876036 A 20151222;
JP 2017534995 A 20151222; JP 2021113776 A 20210708; KR 20177021228 A 20151222