

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

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• 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.

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CPC (source: EP KR US)
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Citation (search report)
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CN117314397A

Designated contracting state (EPC)
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