

Title (en)

SUB-APERTURES WITH INTERLEAVED TRANSMIT ELEMENTS FOR WIRELESS POWER TRANSFER

Title (de)

SUB-APERTUREN MIT VERSCHACHTELTEN SENDEELEMENTE ZUR DRAHTLOSEN STROMÜBERTRAGUNG

Title (fr)

SOUS-OUVERTURES AVEC ÉLÉMENTS DE TRANSMISSION ENTRELACÉS POUR TRANSFERT DE PUISSANCE SANS FIL

Publication

EP 3308376 A4 20190515 (EN)

Application

EP 16808073 A 20160603

Priority

- US 201514736054 A 20150610
- US 2016035887 W 20160603

Abstract (en)

[origin: WO2016200701A1] 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

G10K 11/34 (2006.01); **H04B 11/00** (2006.01)

CPC (source: EP)

G10K 11/28 (2013.01); **G10K 11/34** (2013.01); **G10K 11/346** (2013.01); **H02J 50/15** (2016.02); **H04B 11/00** (2013.01)

Citation (search report)

- [X] US 2012299540 A1 20121129 - PERRY MEREDITH [US]
- [E] EP 3423198 A1 20190109 - UBEAM INC [US]
- [X] US 2013241474 A1 20130919 - MOSHFEGHI MEHRAN [US]
- See references of WO 2016200701A1

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 2016200701 A1 20161215; CN 108140382 A 20180608; EP 3308376 A1 20180418; EP 3308376 A4 20190515; TW 201703381 A 20170116

DOCDB simple family (application)

US 2016035887 W 20160603; CN 201680046854 A 20160603; EP 16808073 A 20160603; TW 105117976 A 20160607