

Title (en)

WIRELESS POWER TRANSMITTER, WIRELESS POWER RECEIVING ELECTRONIC DEVICE, AND METHOD FOR OPERATING THE SAME

Title (de)

DRAHTLOSER STROMSENDER, ELEKTRISCHE VORRICHTUNG ZUM DRAHTLOSEN STROMEMPfang UND VERFAHREN ZUM BETRIEB DAVON

Title (fr)

ÉMETTEUR D'ÉNERGIE SANS FIL, DISPOSITIF ÉLECTRONIQUE DE RÉCEPTION D'ÉNERGIE SANS FIL, ET PROCÉDÉ DE FONCTIONNEMENT ASSOCIÉ

Publication

**EP 3568897 A1 20191120 (EN)**

Application

**EP 18783655 A 20180406**

Priority

- US 201762484473 P 20170412
- KR 20170081380 A 20170627
- KR 2018004093 W 20180406

Abstract (en)

[origin: KR20180115201A] Provided is an electronic device for wirelessly receiving power which can maintain the relatively high power transmitting and receiving efficiency. According to various embodiments of the present invention, the electronic device comprises: a first core including a first portion extended in a first direction and a second portion extended in a second direction different from the first direction; a first coil wound around the first portion and extended in the first direction; a second coil wound around the second portion and extended in the second direction; and a power processing circuit for processing power wirelessly received from a wireless power transmitting device through at least one of the first coil or the second coil.

IPC 8 full level

**H02J 50/40** (2016.01); **H01F 38/14** (2006.01); **H02J 50/80** (2016.01); **H02J 50/90** (2016.01)

CPC (source: EP KR US)

**G05F 1/66** (2013.01 - EP US); **H02J 50/10** (2016.02 - EP KR US); **H02J 50/20** (2016.02 - EP); **H02J 50/60** (2016.02 - EP US); **H02J 50/80** (2016.02 - EP KR US); **H02J 50/90** (2016.02 - KR); **H02J 2310/22** (2020.01 - EP US); **H04N 5/63** (2013.01 - EP); **H04N 21/4436** (2013.01 - EP)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

CN 110462972 A 20191115; CN 110462972 B 20230407; CN 110462974 A 20191115; CN 110462974 B 20240209; CN 110495069 A 20191122; CN 110495069 B 20240213; CN 110495070 A 20191122; CN 110495070 B 20230425; EP 3568897 A1 20191120; EP 3568897 A4 20200101; EP 3580831 A1 20191218; EP 3580831 A4 20200304; EP 3580831 B1 20230823; EP 3610555 A1 20200219; EP 3610555 A4 20200415; EP 3610556 A1 20200219; EP 3610556 A4 20200429; EP 3610556 B1 20231018; EP 3610556 C0 20231018; KR 102417809 B1 20220706; KR 102439878 B1 20220905; KR 102472543 B1 20221201; KR 102481939 B1 20221228; KR 20180115199 A 20181022; KR 20180115200 A 20181022; KR 20180115201 A 20181022; KR 20180115207 A 20181022

DOCDB simple family (application)

CN 201880021070 A 20180406; CN 201880021347 A 20180409; CN 201880023749 A 20180406; CN 201880023956 A 20180406; EP 18783655 A 20180406; EP 18784736 A 20180406; EP 18785163 A 20180406; EP 18785165 A 20180409; KR 20170081243 A 20170627; KR 20170081282 A 20170627; KR 20170081380 A 20170627; KR 20170156739 A 20171122