

Title (en)

ELECTRONIC DEVICE FOR WIRELESSLY RECEIVING POWER AND OPERATION METHOD THEREOF

Title (de)

ELEKTRONISCHE VORRICHTUNG ZUM DRAHTLOSEN EMPFANGEN VON STROM UND BETRIEBSVERFAHREN DAFÜR

Title (fr)

DISPOSITIF ÉLECTRONIQUE DE RÉCEPTION D'ALIMENTATION SANS FIL ET PROCÉDÉ DE COMMANDE ASSOCIÉ

Publication

**EP 3610555 A1 20200219 (EN)**

Application

**EP 18785165 A 20180409**

Priority

- US 201762484473 P 20170412
- KR 20170081282 A 20170627
- KR 2018004142 W 20180409

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 50/10** (2016.01); **H02J 7/34** (2006.01); **H02J 50/80** (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