

Title (en)

WIRELESSLY POWERED BATTERY PACK FOR RETROFIT IN LEGACY DEVICES

Title (de)

DRAHTLOS BETRIEBENES BATTERIEPACK ZUM NACHRÜSTEN IN ALTVORRICHTUNGEN

Title (fr)

BLOC-BATTERIE ALIMENTÉ SANS FIL POUR POST-ÉQUIPEMENT DANS DES DISPOSITIFS EXISTANTS

Publication

**EP 4331079 A1 20240306 (EN)**

Application

**EP 22796929 A 20220502**

Priority

- US 202117245945 A 20210430
- US 202117245946 A 20210430
- US 2022027328 W 20220502

Abstract (en)

[origin: WO2022232699A1] A wireless charging system includes a battery-powered mobile electronic device and a component group. The battery-powered mobile electronic device is configured to have an installed battery pack. The battery-powered mobile electronic device is configured for wired-only charging of the installed battery pack. The component group within the installed battery pack comprises one or more battery cells, a power management integrated circuit (IC) configured to manage charging of the one or more battery cells, a wireless receiver system configured to wirelessly receive power from a power source outside of the battery-powered mobile electronic device for charging the one or more battery cells and a pack microcontroller interfaced to the battery-powered mobile electronic device, presenting an interface consistent with a wired-only charged battery pack.

IPC 8 full level

**H02J 50/10** (2016.01); **H02J 7/00** (2006.01); **H02J 50/80** (2016.01)

CPC (source: EP)

**H02J 7/0042** (2013.01); **H02J 50/12** (2016.02); **H02J 7/00032** (2020.01); **H02J 50/70** (2016.02); **H02J 50/80** (2016.02)

Citation (search report)

See references of WO 2022232699A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022232699 A1 20221103**; EP 4331079 A1 20240306

DOCDB simple family (application)

**US 2022027328 W 20220502**; EP 22796929 A 20220502