

Title (en)

HIGHER POWER HIGH FREQUENCY WIRELESS POWER TRANSFER SYSTEM

Title (de)

HOCHFREQUENTES DRAHTLOSES STROMÜBERTRAGUNGSSYSTEM MIT HÖHERER LEISTUNG

Title (fr)

SYSTÈME DE TRANSFERT DE PUISSANCE SANS FIL À HAUTE FRÉQUENCE À HAUTE PUISSANCE

Publication

**EP 4173113 A1 20230503 (EN)**

Application

**EP 21833645 A 20210628**

Priority

- US 202016914403 A 20200628
- US 202016914405 A 20200628
- US 202016914406 A 20200628
- US 2021039443 W 20210628

Abstract (en)

[origin: WO2022006009A1] Wireless power transfer systems, disclosed, include one or more circuits to facilitate high power transfer at high frequencies. Such wireless power transfer systems may include a damping circuit, configured to dampen a wireless power signal such that communications fidelity is upheld at high power. Additionally or alternatively, such wireless power transfer systems may include voltage isolation circuits, to isolate components of the wireless receiver systems from high voltage signals intended for a load associated with the receiver. Utilizing such systems enables wireless power transfer at high frequency, such as 13.56 MHz, at voltages over 1 Watt, while maintaining fidelity of in-band communications associated with the higher power wireless power signal.

IPC 8 full level

**H02J 50/80** (2016.01); **H02J 50/12** (2016.01)

CPC (source: EP)

**H02J 50/005** (2020.01); **H02J 50/12** (2016.02); **H02J 50/60** (2016.02); **H02J 50/80** (2016.02)

Citation (search report)

See references of WO 2022006009A1

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 2022006009 A1 20220106**; CN 116134697 A 20230516; EP 4173113 A1 20230503

DOCDB simple family (application)

**US 2021039443 W 20210628**; CN 202180059001 A 20210628; EP 21833645 A 20210628