

Title (en)

WIRELESS SYSTEM FOR CHARGING AN ELECTRIC BATTERY FOR A MOTOR VEHICLE SUITABLE FOR USE IN A CAR PARK

Title (de)

DRAHTLOSES SYSTEM ZUM LADEN EINER ELEKTRISCHEN BATTERIE FÜR EIN KRAFTFAHRZEUG ZUR VERWENDUNG IN EINEM PARKPLATZ

Title (fr)

SYSTEME DE RECHARGE SANS FIL DE BATTERIES ELECTRIQUES DE VEHICULES AUTOMOBILES APTE A EQUIPER UNE AIRE DE STATIONNEMENT

Publication

**EP 4373700 A1 20240529 (FR)**

Application

**EP 22750860 A 20220704**

Priority

- FR 2107872 A 20210721
- FR 2022051323 W 20220704

Abstract (en)

[origin: WO2023002104A1] The invention relates to several configurations of a wireless system for charging an electric battery for a vehicle suitable for use in a car park, comprising: several enclosures (2) each comprising a superconducting coil (3), each enclosure (2) being capable of being positioned at a parking place (1) of the car park and comprising an inlet opening (2a) and an outlet opening (2b) for receiving the superconducting coil (3) contained therein; an electric circuit comprising intermediate portions (4) of cable electrically connecting the superconducting coils (3) in pairs so as to form a set of superconducting coils (3) in series, two cable terminations (8), two cable end portions (4') configured to electrically connect each end of the set to the terminals of a power supply; and a coolant circuit capable of cooling each superconducting coil by circulating a cryogenic fluid.

IPC 8 full level

**B60L 53/12** (2019.01); **B60L 53/302** (2019.01)

CPC (source: EP US)

**B60L 53/12** (2019.02 - EP); **B60L 53/122** (2019.02 - US); **B60L 53/302** (2019.02 - EP US)

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)

**FR 3125479 A1 20230127**; **FR 3125479 B1 20230630**; EP 4373700 A1 20240529; US 2024336151 A1 20241010; WO 2023002104 A1 20230126

DOCDB simple family (application)

**FR 2107872 A 20210721**; EP 22750860 A 20220704; FR 2022051323 W 20220704; US 202218290865 A 20220704