

Title (en)

POWER SUPPLY DEVICE FOR CHARGING A REMOVABLE EQUIPMENT, IN PARTICULAR FOR CHARGING THE BATTERY OF AN AUTOMOTIVE VEHICLE

Title (de)

STROMVERSORGUNGSEINRICHTUNG ZUM AUFLADEN EINER WECHSELBAREN VORRICHTUNG, INSBESONDERE ZUM AUFLADEN DER BATTERIE EINES KRAFTFAHRZEUGS

Title (fr)

DISPOSITIF D'ALIMENTATION ÉLECTRIQUE POUR LA CHARGE D'ÉQUIPEMENTS AMOVIBLES, EN PARTICULIER LE CHARGEMENT DE BATTERIE D'UN VÉHICULE AUTOMOBILE

Publication

**EP 2078209 A1 20090715 (FR)**

Application

**EP 07821472 A 20071017**

Priority

- EP 2007061107 W 20071017
- FR 0609151 A 20061018

Abstract (en)

[origin: WO2008046869A1] The present invention relates to a power supply device that comprises: at least one power supply station (100) connected to a power supply source (1); at least one onboard module (200) provided respectively in each equipment to be charged from the power supply station (200); and a cable (30) for releasably connecting the power supply station (100) and each module (200), the cable including three wires, i.e. a grounding wire (33) and two wires (31, 32) conveying a utility-power electric signal to the load; characterised in that each onboard module (200) includes a transmitter (210) and in that each power supply station (100) includes an associated receiver (110), the transmitter (210) being designed to generate, between the grounding wire and at least one of the power wires (31, 32), a periodic signal for testing the grounding continuity as well as control data of the charging process.

IPC 8 full level

**G01R 31/02** (2006.01); **H02H 5/10** (2006.01)

CPC (source: EP)

**B60L 53/16** (2019.01); **H01R 33/94** (2013.01); **H02J 7/00036** (2020.01); **H02J 7/00047** (2020.01); **H02J 7/0031** (2013.01); **H02J 13/00** (2013.01); **H02J 13/0005** (2020.01); **Y02T 10/70** (2013.01); **Y02T 10/7072** (2013.01); **Y02T 90/14** (2013.01)

Citation (search report)

See references of WO 2008046869A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2008046869 A1 20080424**; EP 2078209 A1 20090715; FR 2907610 A1 20080425; FR 2907610 B1 20090213

DOCDB simple family (application)

**EP 2007061107 W 20071017**; EP 07821472 A 20071017; FR 0609151 A 20061018