Title (en)

Apparatus and method for transferring power from a stationary unit to a mobile unit

Title (de)

Vorrichtung und Verfahren zum Übertragen von Energie von einer feststehenden Einheit zu einer tragbaren Einheit

Title (fr)

Appareil et procédé de transfert d'alimentation d'une unité stationnaire vers une unité mobile

Publication

EP 2207241 A2 20100714 (EN)

Application

EP 09164634 A 20090706

Priority

- US 34346408 A 20081223
- IL 19636509 A 20090106

Abstract (en)

An apparatus and method for transferring power from a stationary unit to a mobile unit are introduced in order to improve on the existing methods of supplying power to appliances and mobile devices. The stationary unit is comprised of multiple magnetic and electromagnetic switches, which are activated only when in close proximity to a mobile unit comprising of a set of magnets of opposite polarity to the magnetic and electromagnetic switches in the stationary unit thus ensuring a safe and easy to use system for supplying power from the stationary unit to the mobile unit The stationary unit may be large enough to allow the connection of multiple mobile units on a single stationary unit. Each mobile unit can then adjust the voltage supplied by the stationary to fit the requirements of its own appliance or mobile device thus allowing different types of devices to connect to the same source (the stationary unit).

IPC 8 full level

H01R 13/62 (2006.01); **H01R 24/02** (2006.01)

CPC (source: EP)

H01R 13/6205 (2013.01); **H01R 24/38** (2013.01); H01R 2103/00 (2013.01)

Citation (applicant)

US 3521216 A 19700721 - TOLEGIAN MANUEL JERAIR

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CN106654668A; FR3012262A1; CN113178737A; WO2017020823A1; WO2020208563A3

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2207241 A2 20100714; **EP 2207241 A3 20130403**

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