

Title (en)

SYSTEM AND METHOD FOR PROVIDING INTERCONNECTED AND SECURE MOBILE DEVICE CHARGING STATIONS

Title (de)

SYSTEM UND VERFAHREN ZUR BEREITSTELLUNG VON MITEINANDER VERBUNDENEN UND SICHEREN LADESTATIONEN FÜR MOBILE VORRICHTUNGEN

Title (fr)

SYSTÈME ET PROCÉDÉ DE FOURNITURE DE STATIONS DE CHARGE DE DISPOSITIF MOBILE INTERCONNECTÉES ET SÉCURISÉES

Publication

**EP 3545697 A4 20191120 (EN)**

Application

**EP 17874893 A 20171121**

Priority

- US 201615362370 A 20161128
- US 2017062874 W 20171121

Abstract (en)

[origin: WO2018098194A1] Systems and methods for locating and providing public mobile device charging stations are disclosed. One or more charging stations may be configured to charge a battery of a mobile device. A database may be configured to store location information of the one or more charging stations as well as mobile device location and security credential information of the one or more respective mobile devices. A server communicatively coupled with the one or more charging stations and the database, may be configured to determine a proximity of the one or more charging stations to a location of the mobile device. This determination may be based on the station location information and the mobile device location information. Based on the determined proximity, provide the station location information of the respective one or more charging stations to the mobile device. The charging station further provides photo and/or video surveillance security to verify a user.

IPC 8 full level

**H02J 7/00** (2006.01); **G06Q 20/18** (2012.01); **H04M 1/72457** (2021.01); **H04W 4/02** (2018.01); **H04W 8/18** (2009.01); **H04W 12/08** (2009.01); **H04W 84/12** (2009.01)

CPC (source: EP US)

**G06Q 20/0855** (2013.01 - EP); **G06Q 20/145** (2013.01 - EP); **G06Q 20/18** (2013.01 - EP); **G06Q 20/3224** (2013.01 - EP); **G06Q 20/40145** (2013.01 - EP); **G07F 15/006** (2013.01 - EP); **H02J 7/0013** (2013.01 - EP US); **H02J 7/0044** (2013.01 - EP US); **H02J 7/0048** (2020.01 - EP US); **H04M 1/72457** (2021.01 - EP US); **H04W 4/023** (2013.01 - EP); **H04W 12/08** (2013.01 - EP US); **H02J 7/00034** (2020.01 - EP US); **H02J 2310/22** (2020.01 - EP US); **H04W 84/12** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP)

Citation (search report)

- [X] US 2016165443 A1 20160609 - BALDASARE DOUGLAS [US], et al
- See references of WO 2018098194A1

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

DOCDB simple family (publication)

**WO 2018098194 A1 20180531**; AU 2017365149 A1 20190502; CA 3043750 A1 20180531; CL 2019001407 A1 20191115; EP 3545697 A1 20191002; EP 3545697 A4 20191120; MX 2019006111 A 20191112

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**US 2017062874 W 20171121**; AU 2017365149 A 20171121; CA 3043750 A 20171121; CL 2019001407 A 20190523; EP 17874893 A 20171121; MX 2019006111 A 20171121