

Title (en)

APPARATUS, METHOD AND ARTICLE FOR PROVIDING INFORMATION REGARDING A VEHICLE VIA A MOBILE DEVICE

Title (de)

VORRICHTUNG, VERFAHREN UND ARTIKEL ZUR AUSGABE VON INFORMATIONEN ÜBER EIN FAHRZEUG MITHILFE EINER MOBILEN VORRICHTUNG

Title (fr)

APPAREIL, PROCÉDÉ ET ARTICLE PERMETTANT D'OBTENIR DES INFORMATIONS RELATIVES À UN VÉHICULE PAR L'INTERMÉDIAIRE D'UN DISPOSITIF MOBILE

Publication

**EP 2973377 A4 20161102 (EN)**

Application

**EP 14778634 A 20140312**

Priority

- US 201361780781 P 20130313
- US 201314017081 A 20130903
- US 2014024757 W 20140312

Abstract (en)

[origin: WO2014165197A1] A network of collection, charging and distribution machines collect, charge and distribute portable electrical energy storage devices (e.g., batteries, supercapacitors or ultracapacitors). Relevant information regarding vehicles that use the collection and distribution machines is communicated to or acquired by mobile devices of users associated with one or more of the vehicles. The vehicle information may include information regarding diagnostics or status of the vehicle and information regarding usage history of the vehicle received from different sources. This information is then processed and analyzed at the mobile device and such information is presented by the mobile device in a useful manner to the user and/or communicated to another device external to the mobile device, such as the vehicle, for further processing or communication of the data.

IPC 8 full level

**G06Q 50/30** (2012.01)

CPC (source: EP US)

**B60L 3/12** (2013.01 - EP US); **B60L 53/305** (2019.01 - EP US); **B60L 53/665** (2019.01 - EP US); **B60L 53/67** (2019.01 - EP US); **G07C 5/008** (2013.01 - EP US); **B60L 2240/70** (2013.01 - EP US); **B60L 2250/10** (2013.01 - EP US); **B60L 2250/12** (2013.01 - EP US); **B60L 2250/16** (2013.01 - EP US); **B60L 2250/20** (2013.01 - EP US); **Y02T 10/70** (2013.01 - US); **Y02T 10/7072** (2013.01 - EP US); **Y02T 10/72** (2013.01 - EP US); **Y02T 90/12** (2013.01 - EP US); **Y02T 90/14** (2013.01 - US); **Y02T 90/16** (2013.01 - EP US); **Y02T 90/167** (2013.01 - EP US); **Y04S 30/14** (2013.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2014165197A1

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

DOCDB simple family (publication)

**WO 2014165197 A1 20141009**; BR 112015023210 A2 20170718; CN 105210108 A 20151230; EP 2973377 A1 20160120; EP 2973377 A4 20161102; JP 2016521393 A 20160721; JP 2020191116 A 20201126; JP 6788934 B2 20201125; JP 7145913 B2 20221003

DOCDB simple family (application)

**US 2014024757 W 20140312**; BR 112015023210 A 20140312; CN 201480027090 A 20140312; EP 14778634 A 20140312; JP 2016501631 A 20140312; JP 2020126974 A 20200728