

## Title (en)

METHOD FOR AUTOMATIC REBALANCING OF A FLEET OF MOTOR VEHICLES OF A VEHICLE SHARING SYSTEM

## Title (de)

VERFAHREN ZUR AUTOMATISCHEN REKOMPENSATION EINES KRAFTFAHRZEUGFUHRPARKS EINES SYSTEM ZUR GEMEINSAMEN NUTZUNG VON FAHRZEUGEN

## Title (fr)

PROCÉDÉ DE RÉÉQUILIBRAGE AUTOMATIQUE D'UNE FLOTTE DE VÉHICULES AUTOMOBILES D'UN SYSTÈME DE PARTAGE DE VÉHICULES

## Publication

**EP 3146482 A1 20170329 (FR)**

## Application

**EP 15729211 A 20150521**

## Priority

- FR 1454604 A 20140522
- FR 2015051348 W 20150521

## Abstract (en)

[origin: WO2015177477A1] The invention relates to an automatic rebalancing method for a fleet of motor vehicles in a vehicle sharing system, comprising: - at the time of the borrowing of a vehicle by a user in a departure station, generation (406) of a command to form a convoy as a function of the number of parked vehicles in the departure station, the vehicles being linked together to form a stationary convoy of vehicles attached one behind the other by couplers. In response to the order: - the stationary convoy is divided into two, one of the parts forming a convoy containing the borrowed vehicle and a free vehicle attached behind the borrowed vehicle, then - when the borrowed vehicle reaches the arrival station, the free vehicle is parked (408) in an arrival station.

## IPC 8 full level

**G06Q 10/04** (2012.01); **B60D 1/01** (2006.01); **B60D 1/48** (2006.01); **B60L 15/38** (2006.01); **B62D 47/00** (2006.01); **G06Q 10/06** (2012.01); **G08G 1/00** (2006.01)

## CPC (source: EP)

**B60D 1/481** (2013.01); **B60D 1/62** (2013.01); **B60L 15/38** (2013.01); **G06Q 10/047** (2013.01); **G06Q 10/06312** (2013.01); **G08G 1/20** (2013.01); **B60L 2240/70** (2013.01); **B62D 47/006** (2013.01); **Y02T 10/72** (2013.01); **Y02T 90/16** (2013.01)

## Citation (search report)

See references of WO 2015177477A1

## Citation (examination)

- "Modulowatt Mondial 2010", YOUTUBE, 3 October 2010 (2010-10-03), pages 1 pp., XP054979401, Retrieved from the Internet <URL:https://www.youtube.com/watch?v=oLT9EXYrK50> [retrieved on 20190520]
- SAMER AMMOUN ET AL: "Modulowatt : description d'un système innovant de recharge de véhicule électrique", 6TH NATIONAL CONFERENCE ON CONTROL ARCHITECTURES OF ROBOTS, 1 May 2011 (2011-05-01), Grenoble , FR, pages 1 - 6, XP055590296, Retrieved from the Internet <URL:https://hal.inria.fr/inria-00603337/document> [retrieved on 20190520]

## 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 2015177477 A1 20151126**; EP 3146482 A1 20170329; FR 3021440 A1 20151127; FR 3021440 B1 20211105; JP 2017517809 A 20170629; JP 6532896 B2 20190619

## DOCDB simple family (application)

**FR 2015051348 W 20150521**; EP 15729211 A 20150521; FR 1454604 A 20140522; JP 2016568895 A 20150521