505592114 07/26/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT5638915

CONVEYING PARTY DATA

Name	Execution Date
JORGE GUAJARDO MERCHAN	06/20/2019
PAULIUS DUPLYS	06/26/2019
RENE GUILLAUME	06/22/2019
JEFFREY DONNE	07/23/2019

RECEIVING PARTY DATA

Name:	ROBERT BOSCH GMBH
Street Address:	POSTFACH 30 02 20
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16313221

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ATTORNEY DOCKET NUMBER: 1576-1980		
NAME OF SUBMITTER:	PAUL J. MAGINOT	
SIGNATURE:	/Paul J. Maginot/	
DATE SIGNED:	07/26/2019	

Total Attachments: 5

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PATENT 505592114 REEL: 049873 FRAME: 0348

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PATENT REEL: 049873 FRAME: 0349

MMB Docket No. 1576-1980 Bosch Reference: R367528-RTC3

ASSIGNMENT

Pursuant to our obligation to Robert Bosch GmbH (hereinafter referred to as "Assignee"), a German corporation having a mailing address at:

> Postfach 30 02 20 D-70442 Stuttgart **GERMANY**

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

> Jorge Guajardo Merchan 813 Northridge Drive Pittsburgh, PA 15216

Paulius Duplys Bruckmuehle 5 71706 Markgroeningen Germany

Rene Guillaume Neuffenstrasse 19/1 71032 Boeblingen Germany

Jeffrey Donne 3150 N Sheridan Rd, #14C Chicago, IL 60657

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, except as set forth below, our entire right, title and interest -

(1) in and to an invention entitled "System and Method for Delegating Ticket Authentication to a Star Network in the Internet of Things and Services" for which we have executed a United States patent application, said United States application being assigned U.S. Serial No. 16/313,221 filed December 26, 2018;

(2) in and to said United States patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), reissue applications, and international patent applications designating the United

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States) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted; and

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, including patent applications filed under the Patent Cooperation Treaty, the European Patent Convention or any other international treaty, and including the right to claim priority of said United States application, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

Date: JUNE 25th, 2019

Jorge Guajardo Merchan

MMB Docket No. 1576-1980 Bosch Reference; R367528-RTC3

Date: 26th of June 2015

Paulius Duplys

MMB Dücket No. 1576-1980 Bosch Reference; R367528-RTC3

Date: <u>22 July 2015</u>

Rene Guillaume

MMB Docket No. 1576-1980 Bosch Reference: R367528-RTC3

Date: 7/23/19

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