PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6103022

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SOO KIM	04/27/2020
JONATHAN MAILOA	04/27/2020
ULRICH BERNER	04/27/2020
NATHAN CRAIG	05/08/2020
CHARLES TUFFILE	04/27/2020

RECEIVING PARTY DATA

Name:	ROBERT BOSCH GMBH
Street Address:	POSTFACH 30 02 20
City:	STUTTGART
State/Country:	GERMANY
Postal Code:	D-70442

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15930074

CORRESPONDENCE DATA

Fax Number: (248)358-3351

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 248-358-4400

Email: cdara@brookskushman.com
Correspondent Name: BROOKS KUSHMAN / BOSCH

Address Line 1: 1000 TOWN CENTER

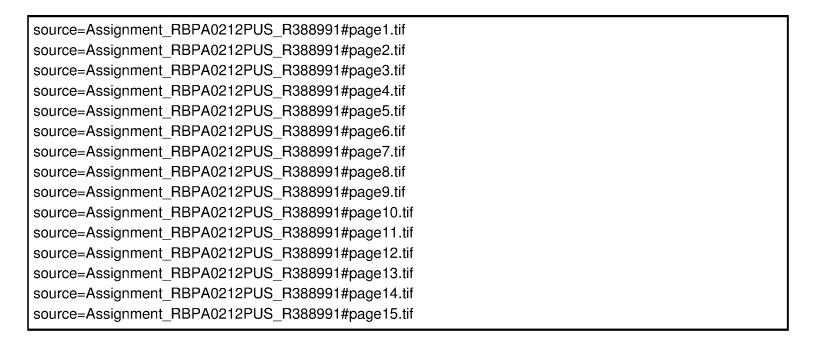
Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER:	RBPA0212PUS
NAME OF SUBMITTER:	AO LI
SIGNATURE:	/Ao Li/
DATE SIGNED:	05/12/2020

Total Attachments: 15

PATENT REEL: 052640 FRAME: 0446



PATENT REEL: 052640 FRAME: 0447

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:

SOO KIM

80 Cambridge Park Drive #203 Cambridge, MA 02140

JONATHAN MAILOA

169 Monsignor O'Brien Highway #816 Cambridge, MA 02141

ULRICH BERNER

Traubenstrasse 33 Stuttgart, Germany 70176

NATHAN CRAIG

2201 Monroe Street, Unit 1004 Santa Clara, CA 95050

CHARLES TUFFILE

188 Cummings Rd. Swansea, MA 02777

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 –

said United States application being assigned U.S. Serial No. 15/930,074 filed May 12, 2020

- (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 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.

Date:	pki, BOSCH, US, Digitally signed by pki, BOSCH, US, S, O, Soo,Kim S, O, Soo.Kim
	SOO KIM
Date:	JONATHAN MAIL OA

Date:		
	ULRICH BERNER	
Date:	NATHAN CRAIG	
Date:	CHARLES TUFFILE	

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designating the United States) based upon said invention, and in and to the patent or

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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:

Date: 4/27/2020

SOO KIM

JONATHAN MAILOA

Date:		
	ULRICH BERNER	
Date:	NATHAN CRAIG	
Date:	CHARLES TUFFILE	

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Date:	SOO KIM
Date:	JONATHAN MAILOA

Date:	ULRICH BERNER
Date:	
	NATHAN CRAIG
Date:	pki, BOSCH, US, C, H, Giglistly signed by pix, 1005CH. Charles.Tuffile Distr. 2020.04.27 10.4848 - 04007
	CHARLES TUFFILE

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Date:	SOO KIM
Date:	JONATHAN MAILOA

Date:	pki, BOSCH, DE, U, Digitally signed by pki, BOSCH, DE, U, L, Ulrich.Berner Date: 2020.04.27 16:44:09 +02'01
~~~	ULRICH BERNER
Date:	AV., WAY. AV. 2000 AV. 2000
	NATHAN CRAIG
Date:	CHARLES TUFFILE
	NATE CREATED BY A LANGUE BANKS

## **ASSIGNMENT**

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Date:	SOO KIM
Date:	JONATHAN MAILOA

Date:			
	ULRICH BERNEI	VER.	
Date:	pki, BOSCH, US, N, A, Nathan,Craig	Digitally signed by pili, BOSCH, US, N, A, Notion Croig Date: 2020.05:08.09(4):63-07(90)	
	NATHAN CRAIG		
Date:		~ ~~	
	CHARTESTIFFI	<b>₹.</b> ( <b>\$</b> )	

Page 3 of 3