505141624 10/15/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZENG DAI	09/20/2018
LIU REN	09/07/2018
LINCAN ZOU	09/10/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15938726

CORRESPONDENCE DATA

Fax Number: (317)638-2139

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: 317-638-2922

Email: DOCKETING@MAGINOT.COM **Correspondent Name:** MAGINOT, MOORE & BECK LLP Address Line 1: ONE INDIANA SQUARE, SUITE 2200 Address Line 4: INDIANAPOLIS, INDIANA 46204

ATTORNEY DOCKET NUMBER:	1576-2254	
NAME OF SUBMITTER:	PAUL J. MAGINOT	
SIGNATURE:	/Paul J. Maginot/	
DATE SIGNED:	10/15/2018	

Total Attachments: 4

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PATENT REEL: 047166 FRAME: 0570 505141624

MMB Docket No. 1576-2254 Bosch Reference: R377336-RTC-HMI

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:

Zeng Dai

1281 Lawrence Station Rd., Apt. 418

Sunnyvale, CA 94089

Liu Ren

21751 Lomita Ave.

Cupertino, CA 95014

Lincan Zou

2247 Maroel Dr.

San Jose, CA 95130

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 "Method and System for Efficient

Rendering of Cloud Weather Effect Graphics in Three-Dimensional Maps" for which we

have executed a United States patent application, said United States application being

assigned U.S. Serial No. 15/938,726 filed on March 28, 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

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

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(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: 9/20/7018

Zeng Dai

MMB Docket No. 1576-2254 Bosch Reference; R377336-RTC-HMI

Date: <u>~\$167170(8</u>)

Liu Ren

MMB Docket No. 1576-2254 Bosch Reference: R377336-RTC-HMI

Date: _	09/10/2018	<u>~~~</u>
		Lincan Zou

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RECORDED: 10/15/2018

PATENT REEL: 047166 FRAME: 0574