PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2819361

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNORS NAMES previously recorded on Reel 032218 Frame 0400. Assignor(s) hereby confirms the ASSIGNORS NAMES: AMIR ANVAR, CHRISTOPHER LEE FISHER, JING HUANG, AND SUYA YOU

CONVEYING PARTY DATA

Name	Execution Date
AMIR ANVAR	07/10/2013
CHRISTOPHER LEE FISHER	07/10/2013
JING HUANG	01/28/2014
SUYA YOU	01/27/2014

RECEIVING PARTY DATA

Name:	CHEVRON U.S.A. INC.
Street Address:	P.O. BOX 10500
City:	SAN RAMON
State/Country:	CALIFORNIA
Postal Code:	94583
L	
Name:	UNIVERSITY OF SOUTHERN CALIFORNIA
Name: Street Address:	UNIVERSITY OF SOUTHERN CALIFORNIA UNIVERSITY PARK CAMPUS
Street Address:	UNIVERSITY PARK CAMPUS

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13929280	

CORRESPONDENCE DATA

Fax Number: (703)770-7901

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 7037707900

Email: fabienne.legrand@pillsburylaw.com

Correspondent Name: PILLSBURY WINTHROP SHAW PITTMAN, LLP

Address Line 1: P.O. BOX 10500

Address Line 4: MCLEAN, VIRGINIA 22102

ATTORNEY DOCKET NUMBER: 091230-0423470

502772766 REEL: 032712 FRAME: 0582

- PATENT -

NAME OF SUBMITTER:	ROBERT C. PEREZ
SIGNATURE:	/Robert C. Perez/
DATE SIGNED:	04/17/2014

Total Attachments: 9

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PATENT REEL: 032712 FRAME: 0583 Docket Number: 091230-0423470

Client Reference: T-9478

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: HUANG, et al.

Confirmation No.: 2322

Application No.: 13/929,280

Examiner:

Filed: June 27, 2013

Group Art Unit: 2677

Title: SYSTEM AND METHOD OF DETECTING OBJECTS IN SCENE POINT CLOUD

REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The Notice of Recordation dated February 17, 2014 which was recorded on February 14, 2014 at Reel 032218, Frame 0400, is attached hereto for correction by the Assignment Branch.

Two of the Assignor's names were inadvertently omitted on the orginial Recordation Cover Sheet by the applicant. The names of the omitted Assignors should read "Jing Huang and Suya You".

Enclosed, please find a corrected Assignment Recordation Cover Sheet along with a copies of the Assignment Document and Notice of Recordation.

A new Notice of Recordation reflecting the above correction is respectfully requested and should be forwarded to the address below. Please charge any fees incurred to our Deposit Account No. 03-3975 under Order No.091230-0423470.

Respectfully submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP

Robert C.F. Perez

Registration Number 39328

Date: March 18, 2014 P.O. Box 10500 McLean, VA 22102 United States of America Telephone: (703) 770-7900

Facsimile: (703) 770-7901

PATENT REEL: 032712 FRAME: 0584



United States Patent and Trademark Office

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Electronic Patent Assignment System

Confirmation Receipt

Your assignment has been received by the USPTO. The coversheet of the assignment is displayed below:

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AMIR ANVAR	07/10/2013
CHRISTOPHER LEE FISHER	07/10/2013

RECEIVING PARTY DATA

Name:	CHEVRON U.S.A. INC.
Street Address:	P.O. BOX 6006
City:	SAN RAMON
State/Country:	CALIFORNIA
Postal Code:	94583-0806

UNIVERSITY OF SOUTHERN CALIFORNIA
1150 SOUTH OLIVE STREET
SUITE 2300
LOS ANGELES
CALIFORNIA
90015

http://epas.uspto.gov/com/receipt.jsp?iname=LQOBV4MXWBTH-17336

7336 PATENT 2/14/2014 REEL: 032712 FRAME: 0585

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13929280	

CORRESPONDENCE DATA

Fax Number:

(703)770-7901

Phone:

703-770-7900

Email:

linda.leighton@pillsburylaw.com

Correspondent Name:

Correspondence will be sent via US Mail when the email attempt is unsuccessful. PILLSBURY WINTHROP SHAW PITTMAN, LLP

Address Line 1:

P.O. BOX 10500

Address Line 4:

MCLEAN, VIRGINIA 22102

ATTORNEY DOCKET

NUMBER:

091230-0423470

NAME OF SUBMITTER:

LINDA M. LEIGHTON

Signature:

/Linda M. Leighton/

Date:

02/14/2014

Total Attachments: 4

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RECEIPT INFORMATION

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Receipt Date:

02/14/2014

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PATENT 2/14/2014

Attorney Docket No.: 091230-0423470/T-9478

ASSIGNMENT

WHEREAS, I / We,

Amir ANVAR of Houston, TX Christopher Lee FISHER of Houston, TX

have invented new and useful improvements in

"SYSTEM AND METHOD OF DETECTING OBJECTS IN SCENE POINT CLOUD"

set forth in an application for Letters Patent of the United States bearing Serial No. 13/929,280 . and filed on 6/27/2013, (the hereinafter named assignee being authorized to insert said Serial Number and filing date when ascertained); and

WHEREAS, CHEVRON U.S.A. INC., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, and having a regular and established place of business at San Ramon, State of California, is desirous of acquiring the entire right, title and interest in and to said invention, said application, and in and to the Letters Patent, Utility Models, and Inventors' Certificates to be granted and issued thereof in the United States of America and in any and all countries foreign thereto:

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I / We, hereby sell, assign, transfer and set over unto said CHEVRON U.S.A. INC., its successors and assigns, the entire right, title and interest in and to said invention, said application, including all priority rights associated with said application under provisions of international conventions, treaties, or otherwise, and all divisions, continuations, reexaminations, and reissues thereof, and in and to all Letters Patent, Utility Models, and Inventors' Certificates to be granted and issued therefore and all reexamination certificates, reissues and extensions thereof, not only for, to and in the United States of America, but for, to and in all other countries. The aforesaid assignment includes the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent, Utility Models, and Inventors' Certificates which may be granted in the United States of America and in any and all countries foreign thereto, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale and assignment had not been made;

and I / We hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance with this Assignment;

and I / We hereby covenant that we have full right to convey the entire interest herein assigned, and I / We have not executed, and will not execute, any agreement in conflict herewith and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

Revised 12-07-2011 Page 1 of 2

Title of the Invention: SYSTEM AND METHOD OF DETECTING OBJECTS IN SCENE POINT CLOUD

Attorney Docket No.: 091230-0423470/T-9478

and I / We hereby further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to us respecting said inventions and discoveries; and furthermore, upon request, without additional compensation but at no expense to me / us, testify in any interference or legal proceedings involving said inventions, and sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension thereof.

In witness whereof,	I / We have signed my / our name(s) on the	date set fo	rth below.
Inventor Signature		Date:	July 10,2013
Inventor Name:	Amir ANVAR		
Witness Signature:	Alla Sione	Date:	7-10-2013
Witness Name:	DELIA FLORES		
Inventor Signature:	am J. For	Date:	July 10, 2013
Inventor Name:	Christopher Lee FISHER		
Witness Signature:	Achi Sioner	Date:	7-10-2013
Witness Name:	DELIA FLORES		

Title of the Invention:

SYSTEM AND METHODS OF DETECTING OBJECTS IN SCENE

POINT CLOUD

Attorney Docket No.:

091230-0423470

ASSIGNMENT

WHEREAS, I/We.

Jing HUANG

of Los Angeles, CA

Suva YOU

of Arcadia, CA

have inverted new and useful improvements in

"SYSTEM AND METHOD OF DETECTING OBJECTS IN SCENE POINT CLOUD"

set forth in an application for Letters Patent of the United States bearing Serial No. 13/929,280 and filed on June 27, 2013, (the hereinafter named assignee being authorized to insert said Serial Number and filing date when ascertained); and

WHEREAS, UNIVERSITY OF SOUTHERN CALIFORNIA, of University Park Campus, Los Angeles, CA 90089, United States of America, is desirous of acquiring the entire right, title and interest in and to said invention, said application, and in and to the Letters Patent, Utility Models, and Inventors' Certificates to be granted and issued thereof in the United States of America and in any and all countries foreign thereto:

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I / We, hereby sell, assign, transfer and set over unto said *UNIVERSITY OF SOUTHERN CALIFORNIA*, its successors and assigns, the entire right, title and interest in and to said invention, said application, including all priority rights associated with said application under provisions of international conventions, treaties, or otherwise, and all divisions, continuations, reexaminations, and reissues thereof, and in and to all Letters Patent, Utility Models, and Inventors' Certificates to be granted and issued therefore and all reexamination certificates, reissues and extensions thereof, not only for, to and in the United States of America, but for, to and in all other countries. The aforesaid assignment includes the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent, Utility Models, and Inventors' Certificates which may be granted in the United States of America and in any and all countries foreign thereto, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale and assignment had not been made;

and I / We hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance with this Assignment;

and I / We hereby covenant that we have full right to convey the entire interest herein assigned, and I / We have not executed, and will not execute, any agreement in conflict herewith and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

and I / We hereby further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to us respecting said inventions and discoveries; and furthermore, upon request, without additional compensation but at no expense to me / us, testify in any interference or legal proceedings involving said inventions, and sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension thereof.

Page 1 of 2

PATENT

REEL: 032712 FRAME: 0589

Title of the Invention:	SYSTEM AND METHODS OF DETECTING OBJECTS IN SCENE

POINT CLOUD

Attorney Docket No.:

091230-0423470

In witness whereof, I / We have signed my / our name(s) on the date set forth below.

Inventor \$ignature:

Inventor Name:

Witness \$ignature:

Witness Name:

Date:

Inventor \$ignature

Witness \$ignature:

Inventor Name:

Witness Name:

Suya YOU

Date:

Date:

PATENT

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REEL: 032712 FRAME: 0590