

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Samuel Henry Chang</td> <td>04/15/2013</td> </tr> <tr> <td>Ning Yao</td> <td>05/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Samuel Henry Chang	04/15/2013	Ning Yao	05/14/2013				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Rawles LLC</td> </tr> <tr> <td>Street Address:</td> <td>103 Foulk Road, Suite 100</td> </tr> <tr> <td>City:</td> <td>Wilmington</td> </tr> <tr> <td>State/Country:</td> <td>DELAWARE</td> </tr> <tr> <td>Postal Code:</td> <td>19803</td> </tr> </table>		Name:	Rawles LLC	Street Address:	103 Foulk Road, Suite 100	City:	Wilmington	State/Country:	DELAWARE	Postal Code:	19803
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 5093238979  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (509) 324-9256        Email: leanns@leehayes.com        Correspondent Name: Lee &amp; Hayes, PLLC        Address Line 1: 601 West Riverside, Suite 1400        Address Line 4: Spokane, WASHINGTON 99201</p>											
ATTORNEY DOCKET NUMBER:	S076-0169US										
NAME OF SUBMITTER:	LeAnn M Sassman										
Signature:	/LeAnn M Sassman/										
Date:	06/14/2013										

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PATENT  
 REEL: 030618 FRAME: 0132

OP \$40.00 13764741

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 5**

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**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 13/764,741  
Filing Date February 11, 2013

Attorney Docket No. S076-0169US  
Client Docket No. P6873

**PARTIES TO THE ASSIGNMENT**

Assignor(s):

**SAMUEL HENRY CHANG**  
103 Foulk Road, Suite 100  
Wilmington, DE 19803

**NING YAO**  
103 Foulk Road, Suite 100  
Wilmington, DE 19803

Assignee:

Rawles LLC  
103 Foulk Road, Suite 100  
Wilmington, DE 19803

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
“OBJECT TRACKING IN A 3-DIMENSIONAL ENVIRONMENT” (Invention) for which a non-  
provisional application for United States Letters Patent

- ☒ was filed on February 11, 2013 and accorded U.S. application no. 13/764,741; or  
☐ will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for  
recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE’S legal representatives, of  
Lee & Hayes PLLC, associated with Customer No. 29150, to insert in the header above and here in  
parentheses (U.S. application no. 13/764,741, filed February 11, 2013) this application’s U.S. application  
number and filing date, when known.

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WHEREAS, ASSIGNEE, a corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation regarding said letters patent, or for the purpose of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to

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ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent before or after issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the application and the Invention or any improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all rightful oaths and/or declarations in connection with the application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Invention in all countries. These provisions are binding upon our heirs, legal representatives, administrators, and assigns.

**CORRESPONDENCE ADDRESS**

I hereby direct all correspondence and telephone calls in connection with this application be addressed to the number associated with the customer number listed below, which is:

<b>Customer No.</b> <b>29150</b>
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PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appl. No. 13/764,741  
Filing Date February 11, 2013

Attorney Docket No. S076-0169US  
Client Docket No. P6873

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ the attached application; or  
☒ United States application number 13/764,741 filed on February 11, 2013; or  
☐ PCT international application number \_\_\_\_\_ filed on \_\_\_\_\_

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of inventor: **SAMUEL HENRY CHANG**

4/15/2013  
Date

*SC Chang*  
Inventor Signature

WITNESSED BY:

4/15/2013  
Date

*Kirupa Richparas*  
Witness (Signature)  
KIRUPA RICHPARAS  
Witness (Printed Name)

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

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Legal name of inventor: **NING YAO**

5/14/2013  
Date

Ni Yao  
Inventor Signature

**WITNESSED BY:**

5/14/13  
Date

Alexandra Lopez  
Witness (Signature)  
Aleksandra Lopez  
Witness (Printed Name)