

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the name of the Assignee previously recorded on Reel 026473 Frame 0423. Assignor(s) hereby confirms the name of the Assignee is "The Regents of the University of Colorado, a body corporate".
CONVEYING PARTY DATA	
Name	Execution Date
Rafael Piestun	05/12/2011
Sean Albert Quirin	05/12/2011
RECEIVING PARTY DATA	
Name:	The Regents of the University of Colorado, a body corporate
Street Address:	1800 Grant Street, 8th Floor
City:	Denver
State/Country:	COLORADO
Postal Code:	80203
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13084345
CORRESPONDENCE DATA	
Fax Number:	(206)359-9000
Phone:	303-291-2327
Email:	jnewmaker@perkinscoie.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Janet L. Newmaker
Address Line 1:	Perkins Coie LLP
Address Line 2:	1201 Third Avenue, Suite 4800
Address Line 4:	Seattle, WASHINGTON 98101
ATTORNEY DOCKET NUMBER:	09136-8004.US01
NAME OF SUBMITTER:	Janet L. Newmaker

OP \$40.00 13084345

Total Attachments: 5

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TO: JANET L. NEWMAKER COMPANY: PERKINS COIE LLP

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 23, 2011

PTAS

JANET L. NEWMAKER
PERKINS COIE LLP
1201 THIRD AVENUE, SUITE 4800
SEATTLE, WA 98101***501571778***UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 06/21/2011

REEL/FRAME: 026473/0423
NUMBER OF PAGES: 3BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 09136-8004.US01

ASSIGNOR:

PIESTUN, RAFAEL

DOC DATE: 05/12/2011

ASSIGNOR:

QUIRIN, SEAN ALBERT

DOC DATE: 05/12/2011

ASSIGNEE:

THE REGENTS OF THE UNIVERSITY OF
COLORADO
1800 GRANT STREET, 8TH FLOOR
DENVER, COLORADO 80203

TO: JANET L. NEWMAKER COMPANY: PERKINS COIE LLP

026473/0423 PAGE 2

APPLICATION NUMBER: 13084345

FILING DATE: 04/11/2011

PATENT NUMBER:

ISSUE DATE:

TITLE: METHODS AND SYSTEMS FOR THREE DIMENSIONAL OPTICAL IMAGING,
SENSING, PARTICLE LOCALIZATION AND MANIPULATION

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

06/21/2011
501571778

SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	ASSIGNMENT
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CONVEYING PARTY DATA

Name	Execution Date
Rafael Piestun	05/12/2011
Sean Albert Quirin	05/12/2011

RECEIVING PARTY DATA

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Property Type	Number
Application Number:	13084345

CORRESPONDENCE DATA

Fax Number: (206)359-9000
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 303-291-2327
Email: jnewmaker@perkinscoie.com
Correspondent Name: Janet L. Newmaker
Address Line 1: Perkins Coie LLP
Address Line 2: 1201 Third Avenue, Suite 4800
Address Line 4: Seattle, WASHINGTON 98101

ATTORNEY DOCKET NUMBER:	09136-8004.US01
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NAME OF SUBMITTER:	Janet L. Newmaker
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Total Attachments: 2
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 source=09136-8004-US01-Assignment#page2.tif

OPI \$40.00 13084345

ASSIGNMENT BY INVENTORS

This Assignment is by Rafael Piestun of 4500 Baseline Road, #4301, Boulder, CO 80303, and Sean Albert Quirin of 1620 Longs Peak Avenue, Longmont, CO 80501 (the "Assignors"). The Assignors have invented one or more certain inventions (the "Invention(s)") described in a Patent Application of the United States entitled "Methods And Systems For Three Dimensional Optical Imaging, Sensing, Particle Localization And Manipulation" (the "Application"), filed on April 11, 2011, as U.S. Patent Application No. 13/084,345.

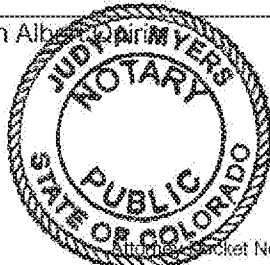
The Regents of the University of Colorado, a body corporate, having its principal place of business at 1800 Grant Street, 8th Floor, Denver, CO 80203 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

Date: 5-12-2011 Signature: [Signature]
Rafael Piestun

Date: _____ Signature: _____
Sean Albert Quirin

State of Colorado, County of Boulder
The foregoing instrument was acknowledged before me this 12th day of May, 20 11 by Rafael Piestun
[Signature]
Notary Public Signature
10/27/2012
Commission Expiration Date



My Commission Expires 10/27/2012
Attachment No.: 09136-8004.US01

ASSIGNMENT BY INVENTORS

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For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

Date: _____

Signature: _____

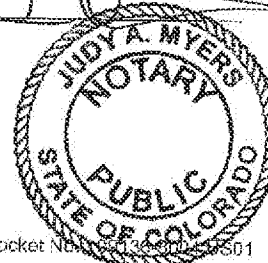
Rafael Piestun

Date: 5-12-2011

Signature: _____

Sean Albert Quirin

State of Colorado, County of Boulder
The foregoing instrument was acknowledged
before me this 12 day of May, 2011
by Sean Quirin
Judith A. Myers
Notary Public Signature
10/27/2012
Commission Expiration Date



Attorney Docket No. 026962-01501

My Commission Expires 10/27/2012
PATENT