

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Rafael Piestun	05/12/2011
Sean Albert Quirin	05/12/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	The Regents of the University of Colorado
<b>Street Address:</b>	1800 Grant Street, 8th Floor
<b>City:</b>	Denver
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80203
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13084345
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)359-9000
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<b>Correspondent Name:</b>	Janet L. Newmaker
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<b>Address Line 2:</b>	1201 Third Avenue, Suite 4800
<b>Address Line 4:</b>	Seattle, WASHINGTON 98101
<b>ATTORNEY DOCKET NUMBER:</b>	09136-8004.US01
<b>NAME OF SUBMITTER:</b>	Janet L. Newmaker
<b>Total Attachments: 2</b> source=09136-8004-US01-Assignment#page1.tif source=09136-8004-US01-Assignment#page2.tif	

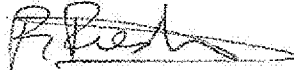
OP \$40.00 13084345

**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.

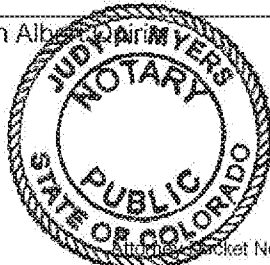
The Regents of the University of Colorado, a body corporate, having its principal place of business at 1800 Grant Street, 8th Floor, Denver, CO 80203 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "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:   
Rafael Piestun

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Sean Albert Quirin

State of Colorado, County of Boulder  
The foregoing instrument was acknowledged  
before me this 12<sup>th</sup> day of May, 20 11  
by Rafael Piestun  
Judy A. Myers  
Notary Public Signature  
10/27/2012  
Commission Expiration Date



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

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Date: \_\_\_\_\_

Signature: \_\_\_\_\_

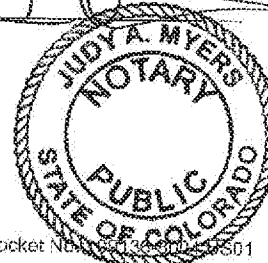
Rafael Piestun

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. 026473-001-0501

My Commission Expires 10/27/2012  
**PATENT**