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U.S. Department of Commerce
United States Patent and Trademark Office

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Our Ref.: 4271-51

<p>To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.</p>	
<p>1. Name of conveying party(ies):</p> <p>1 Mark FROGGATT 5</p> <p>2 6</p> <p>3 7</p> <p>4 8</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance:</p> <p><input type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name</p> <p><input checked="" type="checkbox"/> Other To correct the assignee name on cover sheet of previously recorded assignment at R/F 018710/0878</p> <p>Execution Date: March 3, 2006</p>	<p>2. Name and address of receiving party(ies):</p> <p>1) Name: Luna Innovations Incorporated</p> <p>Street Address: Suite A, 2903 Commerce Street</p> <p>City: Blacksburg</p> <p>State/Country: VA, USA Zip: 24060</p> <p>2) Name</p> <p>Street Address:</p> <p>City:</p> <p>State: Zip:</p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>4: Application number(s) or patent number(s): <input type="checkbox"/> This assignment is being filed together with a new application.</p> <p>A. Patent Application No(s).</p> <p>(1) 10/570,257</p> <p>(2)</p> <p>(3)</p> <p>B. Patent No(s).</p> <p>(1)</p> <p>(2)</p> <p>(3)</p> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: John R. Lastova</p> <p>Internal Address:</p> <p>Street Address: Nixon & Vanderhye P.C.</p> <p>901 North Glebe Road</p> <p>11th Floor</p> <p>City: Arlington State: VA Zip: 22203</p>	<p>6. Total number of applications & patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00</p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>
<p>DO NOT USE THIS SPACE</p>	
<p>9. Statements and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <p>John R. Lastova</p> <p>_____ Name of Person Signing Reg. No. 33,149</p> </div> <div style="text-align: center;"> <p>_____ Signature</p> </div> <div style="text-align: center;"> <p>February 27, 2007</p> <p>_____ Date</p> </div> </div> <p style="text-align: right;">Total number of pages including original cover sheet, attachments, and document: [3]</p>	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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Our Ref.: 4271-51

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1 Mark FROGGATT 5
2 6
3 7
4 8

Additional name/s of conveying party/ies attached? ☐

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Assignment ☐ Change of Name
☐ Other

Execution Date: March 3, 2006

2. Name and address of receiving party(ies):

1) Name: Luna Technologies
Street Address: Suite A, 2903 Commerce Street
City: Blacksburg
State/Country: VA, USA Zip: 24060

2) Name

Street Address:
City:
State: Zip:

Additional name/s & address/es attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): ☐ This assignment is being filed together with a new application.

A. Patent Application No(s).

(1) 10/570,257

(2) 10/570,257

(3)

B. Patent No(s).

(1)

(2)

(3)

Additional numbers attached ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John R. Lastova

Internal Address:

Street Address: Nixon & Vanderhye P.C.

901 North Glebe Road

11th Floor

City: Arlington State: VA Zip: 22203

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed

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9. Statements and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John R. Lastova

Name of Person Signing

Reg. No. 33,149

Signature

December 11, 2006

Date

Total number of pages including original cover sheet, attachments, and document: [3]

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, Mark FROGGATT, (hereinafter ASSIGNOR) of 1912 Lacy Lane, Blacksburg, VA 24060, has invented a certain improvement in METHOD AND APPARATUS FOR CALIBRATING MEASUREMENT EQUIPMENT for which a so-entitled application for Letters Patent of the United States was filed in the United States Patent and Trademark Office on March 2, 2006 under Serial No.

WHEREAS, Luna Innovations Incorporated (hereinafter ASSIGNEE), a corporation of the Country of USA, having an office and place of business at Suite A, 2903 Commerce Street, Blacksburg, VA, USA 24060 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR by these presents hereby sells, assigns, and transfers unto the ASSIGNEE, its successors, assigns, and legal representatives, the aforesaid application(s) and the full and exclusive right to the invention and improvements therein in the United States and all foreign countries, as described in the aforesaid application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any Letters Patent or Patents claiming priority from the aforesaid application to ASSIGNEE, for its interest as ASSIGNEE, for the sole use and behoof of ASSIGNEE, its successors, assigns, and legal representatives.

ASSIGNOR hereby agrees to assist in the preparation of and hereby assign a like interest to said ASSIGNEE, its successors, assigns, and legal representatives, without further remuneration, any continuation, divisional, reissue, or foreign application claiming priority from the aforesaid application or otherwise growing out of or related to the invention; and to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives necessary to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR specifically agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

AGREED and executed as noted below:

3-3-06

Date

Mark E Froggatt

Mark FROGGATT

Witnessed by:

Name:

Amy C. Cant

Date:

3/3/06