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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Fritz FRIEDERSDORF Thomas A. WAVERING</p> <p>3/23/04</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: <u>December 8 and December 11, 2003</u></p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Luna Innovations Incorporated</u> Internal Address: _____ Street Address: <u>2851 Commerce Street</u> _____ _____ City: <u>Blacksburg</u> State/Country: <u>Virginia</u> Zip: <u>24062-1704</u></p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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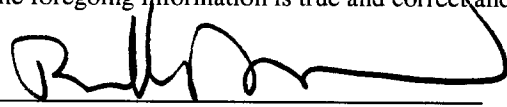
4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: December 12, 2003, respectively

<p>A. Patent Application No(s). (1) <u>10720,694</u> (2) _____ (3) _____</p>	<p>B. Patent No(s). (1) _____ (2) _____ (3) _____</p> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Bryan H. Davidson</u> Internal Address: _____ Street Address: <u>Nixon & Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8th Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p>	<p>6. Total number of applications & patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u> 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>
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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.

Bryan H. Davidson  March 23, 2004
Name of Person Signing Signature Date
Reg. No. 30,251

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

03/24/2004 CCHAU1 00000079 10720694

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ASSIGNMENT FOR PATENT APPLICATION
(All Rights)

WHEREAS, Fritz FRIEDERSDORF and Thomas A. WAVERING, , (hereinafter ASSIGNORS) of c/o Luna Innovations, 705-A Dale Avenue, Charlottesville, Virginia 22903 and c/o Luna Innovations, 705-A Dale Avenue, Charlottesville, Virginia 22903, respectively, have invented a certain improvement in COMPOSITE STRUCTURES, SUCH AS COATED WIRING ASSEMBLIES, HAVING INTEGRAL FIBER OPTIC-BASED CONDITION DETECTORS AND SYSTEMS AND METHODS WHICH EMPLOY THE SAME for which a so-entitled application for Letters Patent of the United States was filed in the United States Patent and Trademark Office on November 25, 2003 under Serial No. 10/720,694;

WHEREAS, Luna Innovations Incorporated (hereinafter ASSIGNEE), a corporation of the State of Virginia and having an office and place of business at 2851 Commerce Street, Blacksburg, Virginia 24062-1704 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 said ASSIGNORS by these presents hereby sell, assign, and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNORS' entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, 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 the ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. 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;

ASSIGNORS hereby agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNORS hereby agree to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and

ASSIGNORS hereby agree, 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.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. 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:

12/8/03

Date

Fritz Friedersdorf
Fritz FRIEDERSDORF

Witnessed by:

[Signature]

Name:

BRITT GROSECLOSE

Witnessed by:

[Signature]

Name:

Michael F Gunther

12/08/03

Date:

12-8-03

Date:

12/11/03

Date

Thomas A. Waverling
Thomas A. WAVERING

Witnessed by:

[Signature]

Name:

BRITT GROSECLOSE

Witnessed by:

[Signature]

Name:

Michael F. Gunther

12/11/03³³

Date:

12.11.03

Date: