

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Justin W. KLEIN	10/07/2011
Mark E. FROGGATT	10/07/2011
Stephen T. KREGER	10/07/2011
Dawn K. GIFFORD	10/07/2011
Sandra M. KLUTE	10/07/2011
RECEIVING PARTY DATA	
Name:	Lunna Innovations Incorporated
Street Address:	1 Riverside Circle
Internal Address:	Suite 400
City:	Roanoke
State/Country:	VIRGINIA
Postal Code:	24016
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13233577
CORRESPONDENCE DATA	
Fax Number:	(703)816-4100
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Correspondent Name:	John R. Lastova
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ATTORNEY DOCKET NUMBER:	JRL-4271-200

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REEL: 027293 FRAME: 0698

NAME OF SUBMITTER:

John R. Lastova

Total Attachments: 3

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ASSIGNMENT

WHEREAS, Justin W. KLEIN, Mark E. FROGGATT, Stephen T. KREGER, Dawn K. GIFFORD and Sandra M. KLUTE, (hereinafter ASSIGNORS) of 1747 Donlee Drive, Blacksburg, VA 24060; 1751 Brush Mountain Creek Road, Blacksburg, VA 24060; 404 Alleghany Street, Blacksburg, VA 24060; 2175 Craig Creek Rd., Blacksburg, VA 24060 and 2695 Old Fort Rd, Blacksburg, VA 24060, respectively, have invented a certain improvement in COMPENSATING FOR NON-IDEAL MULTI-CORE OPTICAL FIBER STRUCTURE for which a so-entitled application for Letters Patent of the United States was filed in the United States Patent and Trademark Office on September 15, 2011 under Serial No. 13/233,577;

WHEREAS, Luna Innovations Incorporated (hereinafter ASSIGNEE), a corporation of the State of Virginia, having an office and place of business at 1 Riverside Circle, Suite 400, Roanoke, VA 24016 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 ASSIGNORS by these presents hereby sell, assign, and transfer 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.

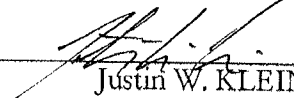
ASSIGNORS hereby agree to assist in the preparation of and hereby assign a like interest to said ASSIGNEE, its successors, assigns, and legal representatives, without further remuneration, any continuation, divisional, reissue, or foreign application claiming priority from the aforesaid application or 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.

ASSIGNORS specifically 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. 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; and

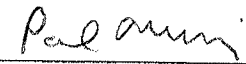
The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

AGREED and executed as noted below:

10/7/2011
Date


Justin W. KLEIN

Witnessed by: Paul F Wysocki

Name: Paul  Date: 10/7/11

October 7, 2011

Date

Mark E. Froggatt

Mark E. FROGGATT

Witnessed by: Paul F. Wysocki

Name: Paul Munn

Date: 10/7/11

7 Oct 2011

Date

Stephen T. Kreger

Stephen T. KREGER

Witnessed by: Paul F. Wysocki

Name: Paul Munn

Date: 10/7/11

10/7/11

Date

Dawn K. Gifford

Dawn K. GIFFORD

Witnessed by: Paul F. Wysocki

Name: Paul Munn

Date: 10/7/11

10/7/11

Date

Sandra M. Klute

Sandra M. KLUTE

Witnessed by: Paul F. Wysocki

Name: Paul Munn

Date: 10/7/11