

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>YOUNG-JUNE YU</td> <td>02/24/2010</td> </tr> <tr> <td>MUNIB WOBER</td> <td>02/24/2010</td> </tr> </tbody> </table>		Name	Execution Date	YOUNG-JUNE YU	02/24/2010	MUNIB WOBER	02/24/2010
Name	Execution Date						
YOUNG-JUNE YU	02/24/2010						
MUNIB WOBER	02/24/2010						
RECEIVING PARTY DATA							
Name:	ZENA TECHNOLOGIES, INC.						
Street Address:	P. O. BOX 380288						
City:	CAMBRIDGE						
State/Country:	MASSACHUSETTS						
Postal Code:	02238-0288						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14068864</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14068864		
Property Type	Number						
Application Number:	14068864						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	LINDA M. LEIGHTON						
Signature:	/Linda M. Leighton/						
Date:	10/31/2013						
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif							

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Attorney's Docket No.: 095035-0380239
Client Reference No.: Zena 8

PATENT

For: U.S. Rights and Foreign Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of Ten Dollars (\$10.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

Young-June YU
61 Kinglet Drive South
Cranbury, NJ 08512
United States of America

Munib WOBER
174 Haverhill Road
Topsfield, MA 01983
United States of America

hereby sells, assigns and transfers to

ASSIGNEE:

ZENA TECHNOLOGIES, INC.
P.O. Box 380288
Cambridge, MA 02238-0288
United States of America

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

NANOWIRE PHOTO-DETECTOR GROWN ON A BACK-SIDE ILLUMINATED IMAGE SENSOR

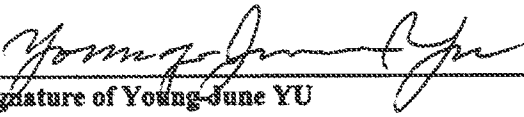
and which is found in (37 C.F.R. § 3.21) U.S. patent application which was filed on December 8, 2009, under Serial No. 12/633,323, and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue

and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 2-24-2010


Signature of Young-June YU

Date: 2-24-2010


Signature of Munib WOBER