

## PATENT ASSIGNMENT COVER SHEET

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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>
BHABENDRA K. PRADHAN	03/14/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NANOHOLDINGS LLC
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<b>City:</b>	ROWAYTON
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06853
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14463546
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<b>ATTORNEY DOCKET NUMBER:</b>	U1198.70041US02
<b>NAME OF SUBMITTER:</b>	KAREN AREYZAGA
<b>SIGNATURE:</b>	/Karen Areyzaga/
<b>DATE SIGNED:</b>	02/04/2015
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS, I, the undersigned, residing at the indicated address given below, have invented certain new and useful improvements in **PHOTODETECTOR AND UPCONVERSION DEVICE WITH GAIN (EC)** for which an application for United States Letters Patent was

signed by me as dated below.

filed February 28, 2012, Serial Nos. 13/407,094 and PCT/US2012/026920.

WHEREAS, by virtue of my employment/appointment with NANOHOLDINGS LLC, I am obligated to assign any rights in the said invention to NANOHOLDINGS LLC or its designee;

WHEREAS, NANOHOLDINGS LLC has designated NANOHOLDINGS LLC, existing by virtue of the laws of the State of Connecticut, and having an office at 111 Rowayton Avenue, Rowayton, CT 06853, to be the assignee of the entire right, title and interest in and to the said invention;

WHEREAS, the NANOHOLDINGS LLC, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said NANOHOLDINGS LLC, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said NANOHOLDINGS LLC, as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of said NANOHOLDINGS LLC, its successors and assigns.

FURTHER, I agree that I will communicate to said NANOHOLDINGS LLC, or its representatives, any facts known to me respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said NANOHOLDINGS LLC; make all rightful oaths; and generally do everything possible to aid the said NANOHOLDINGS LLC, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 14<sup>th</sup> day of March, 2012.

Signed Bhabendra K. Pradhan

Bhabendra K. Pradhan  
Address: 360 Bloombridge Way  
Marietta, GA 30066

State of Connecticut  
County of Fairfield ) Norwalk

On this 14 day of March, 2012, personally appeared before me the above-named BHABENDRA K. PRADHAN, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

[Signature]  
Notary Public

My Commission Expires:  
**Fanny Destrugé**  
Notary Public of Connecticut  
My Commission Expires 01/31/2017

SEAL