

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Anil Raj Duggal</td> <td>06/21/2013</td> </tr> <tr> <td>Joseph John Shiang</td> <td>06/21/2013</td> </tr> <tr> <td>William Hullinger Huber</td> <td>06/21/2013</td> </tr> <tr> <td>Adam Fraser Halverson</td> <td>06/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Anil Raj Duggal	06/21/2013	Joseph John Shiang	06/21/2013	William Hullinger Huber	06/21/2013	Adam Fraser Halverson	06/21/2013
Name	Execution Date										
Anil Raj Duggal	06/21/2013										
Joseph John Shiang	06/21/2013										
William Hullinger Huber	06/21/2013										
Adam Fraser Halverson	06/21/2013										
RECEIVING PARTY DATA											
Name:	General Electric Company										
Street Address:	1 River Road										
City:	Schenectady										
State/Country:	NEW YORK										
Postal Code:	12345										
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>13923644</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13923644						
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Application Number:	13923644										
CORRESPONDENCE DATA											
Fax Number:	2039446712										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	518-387-7724										
Email:	gpo.mail@ge.com										
Correspondent Name:	GENERAL ELECTRIC COMPANY GLOBAL RESEARCH										
Address Line 1:	ONE RESEARCH CIRCLE										
Address Line 2:	BLDG. K1-3A59										
Address Line 4:	NISKAYUNA, NEW YORK 12309										
ATTORNEY DOCKET NUMBER:	270006-1										
NAME OF SUBMITTER:	Paul J. DiConza										
Signature:	/Paul J. DiConza/										

PATENT

Date:	06/21/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 6 source=270006-1_GE_Combined_Declaration_and_Assignment#page1.tif source=270006-1_GE_Combined_Declaration_and_Assignment#page2.tif source=270006-1_GE_Combined_Declaration_and_Assignment#page3.tif source=270006-1_GE_Combined_Declaration_and_Assignment#page4.tif source=270006-1_GE_Combined_Declaration_and_Assignment#page5.tif source=270006-1_GE_Combined_Declaration_and_Assignment#page6.tif</p>	

COMBINED DECLARATION AND GLOBAL ASSIGNMENT
FOR UTILITY OR DESIGN PATENT APPLICATION

As the below named inventor(s), I/we hereby declare that:

This declaration and assignment are directed to:

PHOTOVOLTAIC DEVICES

- the specification of which is attached hereto OR
- United States application or PCT international application number _____ filed on _____, as amended on [date] (if applicable).
(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known.)

The above-identified application was made or authorized to be made by us.

We believe that we are original joint inventors of a claimed invention in the application.

We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC § 1001 by fine or imprisonment of not more than five (5) years, or both.

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR § 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the filing date of the continuation-in-part application.

In accordance with our obligation(s) under an Employee Innovation and Proprietary Information Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the Services Agreement between General Electric Company, a New York corporation, and our employers), and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
Anil	Raj	Duggal	of	Niskayuna	New York	USA
Joseph	John	Shiang	of	Niskayuna	New York	USA
William	Hullinger	Huber	of	Niskayuna	New York	USA
Adam	Fraser	Halverson	of	Albany	New York	USA

hereby sell and assign to:

Name of Company: <i>General Electric Company</i>
Entity Type (optional): <i>New York corporation</i>
Address: <i>1 River Road, Schenectady, New York 12345 USA</i>

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made or conceived by us described in the application(s) listed above and in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Remuneration claims of the inventor(s)/assignor(s) potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

INVENTOR 1

Signature: Anil Raj Duggal
Anil Raj Duggal

Date: 6/21/2013

Witnessed by: Renato Guida
Signature

Date: 6/21/2013

RENATO GUIDA
Printed Name of Witness

Witnessed by: David Shady
Signature

Date: 6/21/2013

David Shady
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

Anil Raj Duggal

Date: _____

STATE OF NEW YORK

ss.

COUNTY OF SCHENECTADY

This _____ day of _____, _____ before me personally came the above-named Anil Raj Duggal, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

GE Docket No. 270006-1

INVENTOR 2

Signature: Joseph John Shiang
Joseph John Shiang

Date: June 21 2013

Witnessed by: [Signature]
Signature

Date: June 21 2013

BADRI RAMANAN
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: June 21 2013

SEENVAS P. SISTA
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

.....
Joseph John Shiang

Date:

STATE OF NEW YORK

ss.

COUNTY OF SCHENECTADY

This _____ day of _____, _____ before me personally came the above-named Joseph John Shiang, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

.....
(Notary Public)

INVENTOR 3

Signature: William Hullinger Huber
William Hullinger Huber

Date: 06/21/2013

Witnessed by: Carol Shatley
Signature

Date: 06/21/2013

Carol Shatley
Printed Name of Witness

Witnessed by: James LeBlanc
Signature

Date: 6/21/2013

James LeBlanc
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

William Hullinger Huber

Date: _____

STATE OF NEW YORK

ss.

COUNTY OF SCHENECTADY

This _____ day of _____, _____ before me personally came the above-named William Hullinger Huber, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

INVENTOR 4

Signature: [Handwritten Signature]
Adam Fraser Halverson

Date: 06/21/13

Witnessed by: [Handwritten Signature]
Signature

Date: 6/21/13

KAREN MERRICK
Printed Name of Witness

Witnessed by: [Handwritten Signature]
Signature

Date: 6/21/13

Timothy L. Chuck
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

Adam Fraser Halverson Date: _____

STATE OF _____
COUNTY OF _____ ss.

This _____ day of _____, _____ before me personally came the above-named Adam Fraser Halverson, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)