

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2630920

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>RICHARD JOSEPH SAIA</td> <td>11/22/2013</td> </tr> <tr> <td>STEPHEN DALEY ARTHUR</td> <td>11/22/2013</td> </tr> <tr> <td>ZACHARY MATTHEW STUM</td> <td>11/25/2013</td> </tr> <tr> <td>ROGER RAYMOND KOVALEC</td> <td>11/25/2013</td> </tr> <tr> <td>GREGORY KEITH DUDOFF</td> <td>11/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	RICHARD JOSEPH SAIA	11/22/2013	STEPHEN DALEY ARTHUR	11/22/2013	ZACHARY MATTHEW STUM	11/25/2013	ROGER RAYMOND KOVALEC	11/25/2013	GREGORY KEITH DUDOFF	11/26/2013
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GREGORY KEITH DUDOFF	11/26/2013												
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>14091622</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14091622								
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Application Number:	14091622												
CORRESPONDENCE DATA													
Fax Number:	(203)944-6712												
Phone:	518-387-7724												
Email:	gpo.mail@ge.com												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
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:	269161-1 (GERD:1150)												
NAME OF SUBMITTER:	JOHN M. RARIDEN												

CH \$40.00 14091622

Signature:	/ John Rariden /
Date:	11/27/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 7</b> source=269161-1_US_Declaration-Assignment_27NOV2013#page1.tif source=269161-1_US_Declaration-Assignment_27NOV2013#page2.tif source=269161-1_US_Declaration-Assignment_27NOV2013#page3.tif source=269161-1_US_Declaration-Assignment_27NOV2013#page4.tif source=269161-1_US_Declaration-Assignment_27NOV2013#page5.tif source=269161-1_US_Declaration-Assignment_27NOV2013#page6.tif source=269161-1_US_Declaration-Assignment_27NOV2013#page7.tif	

**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:

**TAPERED GATE ELECTRODE FOR SEMICONDUCTOR DEVICES**

- the specification of which is attached hereto OR
- United States application or PCT international application number  
14/091,622 filed on November 27, 2013, 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 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,  
we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
Richard	Joseph	Saia	of	Niskayuna	NY	US
Stephen	Daley	Arthur	of	Glenville	NY	US
Zachary	Matthew	Stum	of	Niskayuna	NY	US
Roger	Raymond	Kovalec	of	Glenville	NY	US
Gregory	Keith	Dudoff	of	Clifton Park	NY	US

hereby sell and assign to:

Name of Company:	<i>General Electric Company</i>
Entity Type:	<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 and 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, reexaminations 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, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths 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: Richard Joseph Saia  
Richard Joseph Saia

Date: 11/22/13

Witnessed by: Stanley Wynn  
Signature

Date: 11/22/13

Stanley E Wynn Jr  
Printed Name of Witness

Witnessed by: Thomas B. Gorczyca  
Signature

Date: 11/22/13

Thomas B. Gorczyca  
Printed Name of Witness

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

\_\_\_\_\_ Date: \_\_\_\_\_

Richard Joseph Saia

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Richard Joseph Saia**, 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 2

Signature: Stephen Daley Arthur Date: 11/22/2013  
Stephen Daley Arthur

Witnessed by: Ronald Olson Date: 11/22/2013  
Signature

Ronald Olson  
Printed Name of Witness

Witnessed by: Gary Dunne Date: 11/22/13  
Signature

Gary Dunne  
Printed Name of Witness

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

\_\_\_\_\_ Date: \_\_\_\_\_

**Stephen Daley Arthur**

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ ss.

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Stephen Daley Arthur**, 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: Zachary Stum  
Zachary Matthew Stum

Date: 11-25-13

Witnessed by: Paul A. McConnell  
Signature

Date: 11/25/2013

Paul A. McConnell  
Printed Name of Witness

Witnessed by: Thomas B. Garczyga  
Signature

Date: 11/25/2013

Thomas B. Garczyga  
Printed Name of Witness

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

\_\_\_\_\_ Date: \_\_\_\_\_

**Zachary Matthew Stum**

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ ss.

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Zachary Matthew Stum**, 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: *Roger R Kovalec*  
Roger Raymond Kovalec

Date: 25-NOV-2013

Witnessed by: *Kathryn Brooks*  
Signature

Date: 11/25/13

Kathryn Brooks  
Printed Name of Witness

Witnessed by: *Mary Anne Gauger*  
Signature

Date: 11/25/2013

Mary Anne Gauger  
Printed Name of Witness

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

\_\_\_\_\_ Date: \_\_\_\_\_

**Roger Raymond Kovalec**

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Roger Raymond Kovalec**, 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 5

Signature: *Gregory K Dudoff*  
**Gregory Keith Dudoff**

Date: 11-26-2013

Witnessed by: *Stanton E Weaver Sr.*  
Signature

Date: 11-26-2013

Stanton E Weaver Sr.  
Printed Name of Witness

Witnessed by: *James W Kretschmer*  
Signature

Date: 11-26-2013

JAMES W KRETCHMER  
Printed Name of Witness

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

\_\_\_\_\_ Date: \_\_\_\_\_

**Gregory Keith Dudoff**

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Gregory Keith Dudoff**, 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)