

## 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>Daniel Milton Alley</td> <td>01/24/2013</td> </tr> <tr> <td>Bruce Henderson</td> <td>02/07/2013</td> </tr> <tr> <td>Vitaly Alexandrovich Tkachuk</td> <td>03/05/2013</td> </tr> <tr> <td>Longhui Shen</td> <td>02/04/2013</td> </tr> <tr> <td>Ye Xu</td> <td>01/30/2013</td> </tr> <tr> <td>Alan Carroll Lovell</td> <td>02/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	Daniel Milton Alley	01/24/2013	Bruce Henderson	02/07/2013	Vitaly Alexandrovich Tkachuk	03/05/2013	Longhui Shen	02/04/2013	Ye Xu	01/30/2013	Alan Carroll Lovell	02/07/2013
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>General Electric Company</td> </tr> <tr> <td>Street Address:</td> <td>1 River Road</td> </tr> <tr> <td>City:</td> <td>Schenectady</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>12345</td> </tr> </table>		Name:	General Electric Company	Street Address:	1 River Road	City:	Schenectady	State/Country:	NEW YORK	Postal Code:	12345				
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CORRESPONDENCE DATA															
<p>Fax Number: 2819704503  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 281-970-4545</p> <p>Email: osterhaus@fyiplaw.com, docket@fyiplaw.com, ceaser@fyiplaw.com</p> <p>Correspondent Name: Fletcher Yoder, c/o Tait Swanson</p> <p>Address Line 1: PO Box 692289</p> <p>Address Line 4: Houston, TEXAS 77269-2289</p>															
NAME OF SUBMITTER:	Matthew G. Osterhaus														

Signature:	/Matthew G. Osterhaus/
Date:	07/26/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 8</b> source=260097-1_GETH0483_Combined_Declaration_and_Assignment#page1.tif source=260097-1_GETH0483_Combined_Declaration_and_Assignment#page2.tif source=260097-1_GETH0483_Combined_Declaration_and_Assignment#page3.tif source=260097-1_GETH0483_Combined_Declaration_and_Assignment#page4.tif source=260097-1_GETH0483_Combined_Declaration_and_Assignment#page5.tif source=260097-1_GETH0483_Combined_Declaration_and_Assignment#page6.tif source=260097-1_GETH0483_Combined_Declaration_and_Assignment#page7.tif source=260097-1_GETH0483_Combined_Declaration_and_Assignment#page8.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:

**CURRENT LOOP VOLTAGE MODULATOR FOR COMMUNICATION INTERFACE**

- ☐ the specification of which is attached hereto OR
- ☒ United States application or PCT international application number  
13/952,354 filed on July 26, 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
Daniel	Milton	Alley	of	Salem	VA	US
Bruce		Henderson	of	Salem	VA	US
Vitaly	Alexandrovich	Tkachuk	of	Reston	VA	US
Longhui		Shen	of	ShangHai	CN	CN
Ye		Xu	of	ShangHai	CN	CN
Alan	Carroll	Lovell	of	Salem	VA	US

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 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: *D. Milton Alley*  
Daniel Milton Alley

Date: Jan 24, 2013

Witnessed by: *Christopher E. Clarke*  
Signature

Date: Jan. 24, 2013

CHRISTOPHER E. CLARKE  
Printed Name of Witness

Witnessed by: *Alexandra L. Clarke*  
Signature

Date: Jan. 24, 2013

Alexandra L. Davis  
Printed Name of Witness

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

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

Daniel Milton Alley

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Daniel Milton Alley**, 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: Bruce Henderson  
Bruce Henderson

Date: February 7, 2013

Witnessed by: Mark E. Shepard  
Signature

Date: February 7, 2013

MARK E. SHEPARD  
Printed Name of Witness

Witnessed by: Christopher Moore  
Signature

Date: FEBRUARY 7, 2013

CHRISTOPHER MOORE  
Printed Name of Witness

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

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

Bruce Henderson

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Bruce Henderson**, 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: *Vitaly Tkachuk*  
Vitaly Alexandrovich Tkachuk

Date: 03/05/2013

Witnessed by: *[Signature]*  
Signature

Date: 3-5-2013

Thomas V. Trimeloni  
Printed Name of Witness

Witnessed by: *[Signature]*  
Signature

Date: 3/5/2013

Charles Pao  
Printed Name of Witness

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

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

Vitaly Alexandrovich Tkachuk

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Vitaly Alexandrovich Tkachuk**, 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: Shen Longhui  
Longhui Shen

Date: 2013.2.4

Witnessed by: Xiaomin Fu  
Signature

Date: 2013.2.4

Xiaomin Fu  
Printed Name of Witness

Witnessed by: Chengjun Wang  
Signature

Date: 2013.2.4

Chengjun Wang  
Printed Name of Witness

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

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

Longhui Shen

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Longhui Shen**, 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: Ye Xu  
Ye Xu

Date: Jan 30, 2013

Witnessed by: [Signature]  
Signature

Date: Jan. 30, 2013.

Jinbo Liu  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 2013/1/30.

Lily Liu  
Printed Name of Witness

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

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

Ye Xu

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Ye Xu, 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 6

Signature: Alan Carroll Lovell  
Alan Carroll Lovell

Date: February 7, 2013

Witnessed by: Mark E. Shepherd  
Signature

Date: February 7, 2013

MARK E. SHEPHERD  
Printed Name of Witness

Witnessed by: Christopher Moore  
Signature

Date: FEBRUARY 7, 2013

CHRISTOPHER MOORE  
Printed Name of Witness

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

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

Alan Carroll Lovell

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Alan Carroll Lovell, 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)