

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>Yun Zou</td> <td>10/30/2012</td> </tr> <tr> <td>Carey Shawn Rogers</td> <td>10/25/2012</td> </tr> <tr> <td>John Scott Price</td> <td>10/25/2012</td> </tr> <tr> <td>Sergio Lemaitre</td> <td>11/01/2012</td> </tr> <tr> <td>Mark Alan Frontera</td> <td>10/30/2012</td> </tr> <tr> <td>Peter Andras Zavodszky</td> <td>11/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yun Zou	10/30/2012	Carey Shawn Rogers	10/25/2012	John Scott Price	10/25/2012	Sergio Lemaitre	11/01/2012	Mark Alan Frontera	10/30/2012	Peter Andras Zavodszky	11/05/2012
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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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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>13672100</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13672100										
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CORRESPONDENCE DATA															
<p>Fax Number: 8663089939 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 518-387-7724 Email: ldocket@crd.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</p>															
ATTORNEY DOCKET NUMBER:	551-0082 (259260)														

NAME OF SUBMITTER:	Joseph F. Harding
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 8 source=259260_-_Combined_Declaration_And_Global_Assignment_08NOV2012#page1.tif source=259260_-_Combined_Declaration_And_Global_Assignment_08NOV2012#page2.tif source=259260_-_Combined_Declaration_And_Global_Assignment_08NOV2012#page3.tif source=259260_-_Combined_Declaration_And_Global_Assignment_08NOV2012#page4.tif source=259260_-_Combined_Declaration_And_Global_Assignment_08NOV2012#page5.tif source=259260_-_Combined_Declaration_And_Global_Assignment_08NOV2012#page6.tif source=259260_-_Combined_Declaration_And_Global_Assignment_08NOV2012#page7.tif source=259260_-_Combined_Declaration_And_Global_Assignment_08NOV2012#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:

**SYSTEMS AND METHODS FOR MONITORING
AND CONTROLLING AN ELECTRON BEAM**

- ☐ the specification of which is attached hereto OR
- ☒ United States application or PCT international application number
13/672,100 filed on November 8, 2012, 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
Yun		Zou	of	Niskayuna	NY	US
Carey	Shawn	Rogers	of	Milwaukee	WI	US
John	Scott	Price	of	Niskayuna	NY	US
Sergio		Lemaitre	of	Milwaukee	WI	US
Mark	Alan	Frontera	of	Niskayuna	NY	US
Peter	Andras	Zavodsky	of	Niskayuna	NY	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 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

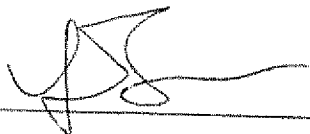
(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

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

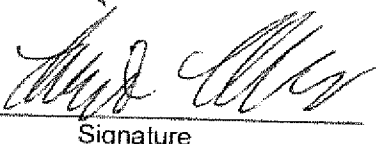
Signature:
Yun Zou



Date:

10/30/2012

Witnessed by:



Signature

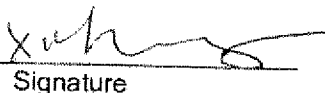
Date:

10/30/2012

Printed Name of Witness

ZHANG ZHONG

Witnessed by:



Signature

Date:

10/30/2012

Printed Name of Witness

XI ZHANG

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

Date:

Inventor Name

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Yun Zou**, 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: Carey Shawn Rogers
Carey Shawn Rogers

Date: Oct 25, 2012

Witnessed by: [Signature]
Signature

Date: OCT, 25, 2012

Wiz Carlos F. Coutinho
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: Oct 25, 2012

Johann N Phillips
Printed Name of Witness

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

Date: _____

Inventor Name

STATE OF

SS.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Carey Shawn Rogers**, 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. 259260

INVENTOR 3

Signature: *John Scott Price*
John Scott PriceDate: 10/25/2012Witnessed by: *XI Zhang*

Signature

Date: 10/25/2012

Printed Name of Witness

Witnessed by: *Iza Ferreira*

Signature

Date: 10/25/2012

Printed Name of Witness

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

Date: _____

Inventor Name

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **John Scott Price**, 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: Sergio Lemaitre
Sergio Lemaitre

Date: 11/1/2012

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

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

SERGIO LEMAITRE Date: 11/1/2012

Inventor Name

STATE OF Wisconsin
COUNTY OF Milwaukee ss.

This 1 day of November, 2012 before me personally came the above-named Sergio Lemaitre, 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

Lathleen C Beebe

(Notary Public)

INVENTOR 5

Signature: Mark Alan Frontera
Mark Alan Frontera

Date: 10-30-2012

Witnessed by: Lou Inzanna
Signature

Date: 10-30-2012

Lou INZANNA
Printed Name of Witness

Witnessed by: Kirk Marguard
Signature

Date: 10/30/12

Kirk Marguard
Printed Name of Witness

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

Inventor Name

Date: _____

STATE OF

COUNTY OF

ss.

This _____ day of _____, _____ before me personally came the above-named **Mark Alan Frontera**, 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: P.A. Zavodsky
Peter Andras Zavodszky

Date: 11-05-2012

Witnessed by: Owe Wiedmann
Signature

Date: November 5th, 2012

Owe Wiedmann
Printed Name of Witness

Witnessed by: Kirk Margulies
Signature

Date: 11/5/12

Kirk Margulies
Printed Name of Witness

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

Date: _____

Inventor Name

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Peter Andras Zavodszky**, 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)