

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5296485

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRIAN DAVID YANOFF	12/10/2018
MINGYE WU	12/10/2018
LIN FU	12/11/2018
PETER MICHAEL EDIC	12/10/2018
XUE RUI	12/11/2018
GENG FU	12/10/2018
YANNAN JIN	12/12/2018
FREDRIK GRONBERG	12/14/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GENERAL ELECTRIC COMPANY
<b>Street Address:</b>	1 RIVER ROAD
<b>City:</b>	SCHENECTADY
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	12345
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16221606
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(203)944-6712
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	518-387-4427
<b>Email:</b>	gpo.mail@ge.com
<b>Correspondent Name:</b>	GENERAL ELECTRIC COMPANY GLOBAL RESEARCH
<b>Address Line 1:</b>	ONE RESEARCH CIRCLE
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<b>Address Line 4:</b>	NISKAYUNA, NEW YORK 12309
<b>ATTORNEY DOCKET NUMBER:</b>	323008-1
<b>NAME OF SUBMITTER:</b>	SEEMA S. KATRAGADDA
<b>SIGNATURE:</b>	/Seema S. Katragadda/

PATENT

<b>DATE SIGNED:</b>	12/21/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 10</b> source=323008-US-1-updatedCombined_Declaration_and_Assignment-17DEC2018#page1.tif source=323008-US-1-updatedCombined_Declaration_and_Assignment-17DEC2018#page2.tif source=323008-US-1-updatedCombined_Declaration_and_Assignment-17DEC2018#page3.tif source=323008-US-1-updatedCombined_Declaration_and_Assignment-17DEC2018#page4.tif source=323008-US-1-updatedCombined_Declaration_and_Assignment-17DEC2018#page5.tif source=323008-US-1-updatedCombined_Declaration_and_Assignment-17DEC2018#page6.tif source=323008-US-1-updatedCombined_Declaration_and_Assignment-17DEC2018#page7.tif source=323008-US-1-updatedCombined_Declaration_and_Assignment-17DEC2018#page8.tif source=323008-US-1-updatedCombined_Declaration_and_Assignment-17DEC2018#page9.tif source=323008-US-1-updatedCombined_Declaration_and_Assignment-17DEC2018#page10.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:

**SYSTEM AND METHOD FOR STATISTICAL ITERATIVE RECONSTRUCTION AND MATERIAL DECOMPOSITION**

- ☒ 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
Brian	David	Yanoff	of	Niskayuna	NY	US
Mingye		Wu	of	Glenville	NY	US
Lin		Fu	of	Niskayuna	NY	US
Peter	Michael	Edic	of	Albany	NY	US
Xue		Rui	of	Jersey City	New Jersey	US
Geng		Fu	of	Rexford	NY	US

Yannan		Jin	of	Niskayuna	NY	US
Fredrik		Gronberg	of	Stockholm		SE

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: Brian D Yanoff  
Brian David Yanoff

Date: Dec 10, 2018

Witnessed by: Adrian Ivan  
Signature

Date: 12/10/2018

ADRIAN IVAN  
Printed Name of Witness

Witnessed by: Christopher Collazo-Davila  
Signature

Date: 12/10/2018

Christopher Collazo-Davila  
Printed Name of Witness

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

\_\_\_\_\_  
Brian David Yanoff Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Brian David Yanoff, 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: Mingye Wu  
Mingye Wu

Date: 12/10/2018

Witnessed by: [Signature]  
Signature

Date: 12/10/2018

Owe Wiedmann  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 12/10/2018

BRUNO DE MAN  
Printed Name of Witness

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

\_\_\_\_\_  
Mingye Wu Date: \_\_\_\_\_

STATE OF

SS.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Mingye Wu, 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: [Signature]  
Lin Fu

Date: 12/11/2018

Witnessed by: [Signature]  
Signature

Date: 12/11/2018

BERNHARD CLAU  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 12/11/18

WILLIAM ROSS  
Printed Name of Witness

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

\_\_\_\_\_  
Lin Fu

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

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ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Lin Fu, 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: Peter Michael Edic  
Peter Michael Edic

Date: 12/10/2018

Witnessed by: [Signature]  
Signature

Date: 12/10/2018

BERNHARD CLAW  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 12/10/2018

Sathish Ramani  
Printed Name of Witness

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\_\_\_\_\_  
Peter Michael Edic

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

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Peter Michael Edic, 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:   
Xue Rui

Date: Dec 11, 2018

Witnessed by:   
Signature

Date: Dec 11, 2018

PU WAN  
Printed Name of Witness

Witnessed by:   
Signature

Date: DEC 11, 2018

HARRY MEMMEL  
Printed Name of Witness

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\_\_\_\_\_  
Xue Rui

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

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Xue Rui, 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: Geng Fu  
Geng Fu

Date: 12/10/2018

Witnessed by: Meichen Li  
Signature

Date: 12/10/2018

MEICHEN LI  
Printed Name of Witness

Witnessed by: Xinyun Liu  
Signature

Date: 12/10/2018

XINYUN LIU  
Printed Name of Witness

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\_\_\_\_\_  
Geng Fu Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Geng Fu, 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 7

Signature: Yannan Jin  
Yannan Jin

Date: 12/12/2018

Witnessed by: [Signature]  
Signature

Date: 12/12/2018

AARON ZHANG  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 12/12/2018

Tongbo Zhu  
Printed Name of Witness

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\_\_\_\_\_  
Yannan Jin Date: \_\_\_\_\_

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ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Yannan Jin, 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. 323008-1

INVENTOR 8

Signature: Fredrik Grönberg  
Fredrik Grönberg

Date: 12/14/2018

Witnessed by: [Signature]  
Signature

Date: 12/14/2018

JOAKIM DA SILVA  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 12/14/2018

Christel Sundberg  
Printed Name of Witness

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\_\_\_\_\_  
Fredrik Grönberg

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

STATE OF

SS.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Fredrik Grönberg** 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)