

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4108795

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KEITH GARRETTE BROWN	10/18/2016
LIWEI HAO	10/18/2016
DARREN BAWDEN HICKEY	10/18/2016
KEVIN JOSEPH GAVEL	10/17/2016
JOHN RAYMOND KRAHN	10/14/2016
QIN CHEN	10/20/2016
LILI ZHANG	10/18/2016
DANIEL QI TAN	10/17/2016
<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:	15331421
<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>	518-387-7724
<b>Email:</b>	gpo.mail@ge.com, gmenz@armstrongteasdale.com
<b>Correspondent Name:</b>	GENERAL ELECTRIC COMPANY GLOBAL RESEARCH
<b>Address Line 1:</b>	ONE RESEARCH CIRCLE
<b>Address Line 2:</b>	BLDG. K1-3A59
<b>Address Line 4:</b>	NISKAYUNA, NEW YORK 12309
<b>ATTORNEY DOCKET NUMBER:</b>	314300
<b>NAME OF SUBMITTER:</b>	RICHARD B. THOMAS
<b>SIGNATURE:</b>	/Richard B. Thomas/

PATENT

<b>DATE SIGNED:</b>	10/21/2016
---------------------	------------

**Total Attachments: 11**

source=314300\_Dec\_Assignment\_21OCT2016-24651837#page1.tif  
source=314300\_Dec\_Assignment\_21OCT2016-24651837#page2.tif  
source=314300\_Dec\_Assignment\_21OCT2016-24651837#page3.tif  
source=314300\_Dec\_Assignment\_21OCT2016-24651837#page4.tif  
source=314300\_Dec\_Assignment\_21OCT2016-24651837#page5.tif  
source=314300\_Dec\_Assignment\_21OCT2016-24651837#page6.tif  
source=314300\_Dec\_Assignment\_21OCT2016-24651837#page7.tif  
source=314300\_Dec\_Assignment\_21OCT2016-24651837#page8.tif  
source=314300\_Dec\_Assignment\_21OCT2016-24651837#page9.tif  
source=314300\_Dec\_Assignment\_21OCT2016-24651837#page10.tif  
source=314300\_Dec\_Assignment\_21OCT2016-24651837#page11.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:

**FLANGE ASSEMBLY FOR USE WITH A SOLID OXIDE FUEL CELL SYSTEM**

- ☒ the specification of which is attached hereto OR  
☐ United States application or PCT international application number \_\_\_\_\_, as  
\_\_\_\_\_ 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
Keith	Garrette	Brown	of	Clifton Park	NY	US
Liwei		Hao	of	Niskayuna	NY	US
Darren	Bawden	Hickey	of	Halfmoon	NY	US
Kevin	Joseph	Gavel	of	Galway	NY	US
John	Raymond	Krahn	of	Mesa	AZ	US
Qin		Chen	of	Schenectady	NY	US
Lili		Zhang	of	Niskayuna	NY	US
Daniel	Qi	Tan	of	Rexford	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,

GE Docket No.: 314300

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: Keith Garrette Brown  
**Keith Garrette Brown**

Date: 10-18-16

Witnessed by: Irfan Hussaini  
Signature

Date: 10/18/16

IRFAN HUSSAINI  
Printed Name of Witness

Witnessed by: Whitney Norris  
Signature

Date: 10/18/16

Whitney Norris  
Printed Name of Witness

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

\_\_\_\_\_  
**Keith Garrette Brown** Date: \_\_\_\_\_

STATE OF

SS.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Keith Garrette Brown**, 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.: 314300

INVENTOR 2

Signature: [Signature]  
Liwei Hao

Date: 10/18/2016

Witnessed by: [Signature]  
Signature

Date: 10/18/2016

XU HAN  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 10/18/2016

PRABHAKAR NETI  
Printed Name of Witness

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

\_\_\_\_\_  
Liwei Hao

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

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Liwei Hao**, 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]  
**Darren Bawden Hickey**

Date: 10/18/2016

Witnessed by: [Signature]  
Signature

Date: 10/18/2016

IREAN HUSSAINI  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 10/18/16

Whitney Norris  
Printed Name of Witness

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

\_\_\_\_\_  
**Darren Bawden Hickey** Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Darren Bawden Hickey**, 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.: 314300

INVENTOR 4

Signature: *Kevin Joseph Gavel*  
Kevin Joseph Gavel

Date: 10-17-2016

Witnessed by: *Alex Briceno*  
Signature

Date: 10/17/2016

Alex Briceno  
Printed Name of Witness

Witnessed by: *Robert Pietrowicz*  
Signature

Date: 10/17/2016

Robert Pietrowicz  
Printed Name of Witness

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

\_\_\_\_\_  
Kevin Joseph Gavel

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

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Kevin Joseph Gavel**, 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: \_\_\_\_\_

John Raymond Krahn

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

OCT 14, 2016

Witnessed by: \_\_\_\_\_

Signature

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

OCT 14, 2016

Christian Acado

Printed Name of Witness

Witnessed by: \_\_\_\_\_

Signature

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

OCT 14, 2016

Devonna Hook

Printed Name of Witness

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

\_\_\_\_\_  
John Raymond Krahn

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

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **John Raymond Krahn**, 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.: 314300

INVENTOR 6

Signature: Qin Chen  
Qin Chen

Date: 10/20/2016

Witnessed by: Michael Rosado  
Signature

Date: 10/20/2016

Michael Rosado  
Printed Name of Witness

Witnessed by: Michael J. Graziano  
Signature

Date: 10/20/16

Michael J. Graziano  
Printed Name of Witness

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

\_\_\_\_\_  
Qin Chen Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named  
Qin Chen, 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.: 314300

INVENTOR 7

Signature: [Signature]  
Lili Zhang

Date: 10/18/2016

Witnessed by: [Signature]  
Signature

Date: 10/18/2016

Jeffrey S Sullivan  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 10/18/16

Sergei Kniajanski  
Printed Name of Witness

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

\_\_\_\_\_  
Lili Zhang Date: \_\_\_\_\_

STATE OF  
COUNTY OF

ss.

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Lili Zhang**, 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.: 314300

INVENTOR 8

Signature:   
Daniel Qi Tan

Date: 10/17/16

Witnessed by:   
Signature

Date: 10/17/16

Robert E. Colborn  
Printed Name of Witness

Witnessed by:   
Signature

Date: 10/17/16

Michael J. Graziano  
Printed Name of Witness

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

\_\_\_\_\_  
Daniel Qi Tan

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

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Daniel Qi Tan, 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)