

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7404713

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MATTHEW HOCKEMEYER	06/29/2016
JASON DAVID SHAPIRO	07/01/2016
K.M.K. GENGHIS KHAN	06/28/2016
JAMES SCOTT VARTULI	06/28/2016
DANIEL GENE DUNN	06/28/2016
SHATIL SINHA	06/29/2016
DOUGLAS DECESARE	06/29/2016
SURESH SUBRAMANIAN	06/28/2016
<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:	17851241
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(864)233-7342
<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>	8642711592
<b>Email:</b>	usdocketing@dority-manning.com, aschaible@dority-manning.com
<b>Correspondent Name:</b>	DORITY & MANNING, PA AND GENERAL ELECTRIC COMPANY
<b>Address Line 1:</b>	POST OFFICE BOX 1449
<b>Address Line 4:</b>	GREENVILLE, SOUTH CAROLINA 29602
<b>ATTORNEY DOCKET NUMBER:</b>	279146-US-8/GECV-1108-DIV
<b>NAME OF SUBMITTER:</b>	AMY A. SCHAIBLE
<b>SIGNATURE:</b>	/Amy A. Schaible/

<b>DATE SIGNED:</b>	06/28/2022
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**Total Attachments: 10**

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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:

**CERAMIC MATRIX COMPOSITE ARTICLES HAVING DIFFERENT LOCALIZED  
PROPERTIES AND METHODS FOR FORMING SAME**

the specification of which is attached hereto OR

United States application or PCT international application number  
15/200,881 filed on July 1, 2016, 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
Matthew		HOCKEMEYER	of	Saratoga Springs	New York	US
Jason	David	SHAPIRO	of	Methuen	Massachusetts	US
K.M.K	Genghis	KHAN	of	Niskayuna	New York	US
James	Scott	VARTULI	of	Rexford	New York	US

Daniel	Gene	DUNN	of	Guilderland	New York	US
Shatil		SINHA	of	Clifton Park	New York	US
Douglas		DECESARE	of	Queensbury	New York	US
Suresh		SUBRAMANIAN	of	Mason	Ohio	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: *Matthew Hockemeyer*  
Matthew HOCKEMEYER

Date: 6/29/16

Witnessed by: *K. Bacasi Thattai*  
Signature

Date: 06/29/16

K. BACASI THATTAI  
Printed Name of Witness

Witnessed by: *Francois Lebel*  
Signature

Date: 06/29/16

FRANCOIS LEBEL  
Printed Name of Witness

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

\_\_\_\_\_  
Matthew HOCKEMEYER Date: \_\_\_\_\_

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ SS.

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Matthew HOCKEMEYER, 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: Jason David Shapiro  
Jason David SHAPIRO

Date: 7/1/16

Witnessed by: [Signature]  
Signature

Date: 7/1/16

David Stapleton  
Printed Name of Witness

Witnessed by: Edward McDonough  
Signature

Date: 7/1/16

Edward McDonough  
Printed Name of Witness

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

\_\_\_\_\_  
Jason David SHAPIRO Date: \_\_\_\_\_

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

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Jason David SHAPIRO, 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. 279146-1

INVENTOR 3

Signature: [Handwritten Signature]  
K.M.K. Genghis KHAN

Date: 06-28-16

Witnessed by: [Handwritten Signature]  
Signature

Date: 06/28/16

KARTHIK BODLA  
Printed Name of Witness

Witnessed by: [Handwritten Signature]  
Signature

Date: 06/28/16

Felipe Antonio Oregun Viana  
Printed Name of Witness

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

\_\_\_\_\_  
K.M.K. Genghis KHAN

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

STATE OF \_\_\_\_\_

ss.

COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **K.M.K. Genghis KHAN**, 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. 279146-1

INVENTOR 4

Signature: James Scott Vartuli  
James Scott VARTULI

Date: 6/28/2016

Witnessed by: Job Rijsenbeek  
Signature

Date: 6/28/2016

Job Rijsenbeek  
Printed Name of Witness

Witnessed by: Abant Settur  
Signature

Date: 6/28/2016

Abant Settur  
Printed Name of Witness

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

\_\_\_\_\_  
James Scott VARTULI

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

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

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **James Scott VARTULI**, 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: *Daniel Gene Dunn*  
Daniel Gene DUNN

Date: 6/29/16

Witnessed by: *Jared Weaver*  
Signature

Date: 6/28/16

Jared Weaver  
Printed Name of Witness

Witnessed by: *Gregory Corman*  
Signature

Date: 6/28/16

Gregory Corman  
Printed Name of Witness

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

\_\_\_\_\_  
Daniel Gene DUNN Date: \_\_\_\_\_

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ SS.

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Daniel Gene DUNN**, 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: *Shatil Sinha*  
Shatil SINHA

Date: 06/29/16

Witnessed by: *Wade Johans*  
Signature

Date: 06/29/16

Wade Johans  
Printed Name of Witness

Witnessed by: *Todd Anderson*  
Signature

Date: 6/29/16

TODD ANDERSON  
Printed Name of Witness

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

\_\_\_\_\_  
Shatil SINHA

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

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Shatil SINHA**, 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. 279146-1

INVENTOR 7

Signature: *Douglas DeCesare*  
Douglas DECESARE

Date: 6/29/2016

Witnessed by: *Michael S Hartle*  
Signature

Date: 6/29/2016

MICHAEL S HARTLE  
Printed Name of Witness

Witnessed by: *Suresh V*  
Signature

Date: 6/29/2016

SURESH VISWANATHAN  
Printed Name of Witness

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

\_\_\_\_\_  
Douglas DECESARE Date: \_\_\_\_\_

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

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Douglas DECESARE**, 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. 279146-1

INVENTOR 8

Signature: Suresh Subramanian  
Suresh SUBRAMANIAN

Date: 6/28/16

Witnessed by: Michael J. Verrilli  
Signature

Date: 6/28/16

Michael J. Verrilli  
Printed Name of Witness

Witnessed by: Michael S. Hartle  
Signature

Date: 6/28/2016

MICHAEL S. HARTLE  
Printed Name of Witness

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

\_\_\_\_\_  
Suresh SUBRAMANIAN Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

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