

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4868817

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CATHLEEN ANN HOEL	03/13/2018
XI YANG	03/14/2018
MICHAEL JOSEPH O'BRIEN	03/08/2018
<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:	15922587
<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>	5183877724
<b>Email:</b>	gpodckt.mail@ge.com, rariden@fyiplaw.com, robinson@fyiplaw.com, docket@fyiplaw.com
<b>Correspondent Name:</b>	GENERAL ELECTRIC COMPANY GLOBAL RESEARCH
<b>Address Line 1:</b>	ONE RESEARCH CIRCLE
<b>Address Line 2:</b>	BUILDING K1-3A59
<b>Address Line 4:</b>	NISKAYUNA, NEW YORK 12309
<b>ATTORNEY DOCKET NUMBER:</b>	316756-1 (GERD:1398)
<b>NAME OF SUBMITTER:</b>	JOHN M. RARIDEN
<b>SIGNATURE:</b>	/John Rariden/
<b>DATE SIGNED:</b>	03/15/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 5</b>	
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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 SLURRIES FOR ADDITIVE MANUFACTURING TECHNIQUES**

- the specification of which is attached hereto OR
- United States application or PCT international application number  
15/922,587 filed on March 15, 2018, 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
Cathleen	Ann	Hoel	of	Schenectady	NY	US
Xi		Yang	of	Mason	OH	US
Michael	Joseph	O'Brien	of	Halfmoon	NY	US

hereby sell and assign to:

Name of Company:	<i>General Electric Company</i>
Entity Type:	<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: Cathleen  
Cathleen Ann Hoel

Date: 3/13/18

Witnessed by: [Signature]  
Signature

Date: 3/13/2018

Jessica R. Samsbury  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 3/13/2018

Patrick D. Willson  
Printed Name of Witness

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

\_\_\_\_\_  
Cathleen Ann Hoel

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

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, 2017 before me personally came the above-named **Cathleen Ann Hoel**, 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: Xi Yang  
Xi Yang

Date: 3/14/2018

Witnessed by: J.C.  
Signature

Date: 3/14/2018

Theodore Anderson  
Printed Name of Witness

Witnessed by: James K Pullins  
Signature

Date: 3/14/2018

James K Pullins  
Printed Name of Witness

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

\_\_\_\_\_  
Xi Yang

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

STATE OF

ss.


COUNTY OF


This \_\_\_\_\_ day of \_\_\_\_\_, 2017 before me personally came the above-named Xi Yang, 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:  Date: March 8, 2018  
Michael Joseph O'Brien

Witnessed by:  Date: MARCH 8 2018  
Signature

Paul M. Smigelski Jr.  
Printed Name of Witness

Witnessed by:  Date: March 8, 2018  
Signature

Hsiung-Wei Yang  
Printed Name of Witness

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

..... Date: .....

Michael Joseph O'Brien

STATE OF

SS.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, 2017 before me personally came the above-named **Michael Joseph O'Brien**, 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)