

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5776165

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SANDIP DUTTA	06/03/2016
JAMES ZHANG	06/03/2016
GARY MICHAEL ITZEL	06/03/2016
JOHN MCCONNELL DELVAUX	06/03/2016
MATTHEW TROY HAFNER	06/03/2016
RECEIVING PARTY DATA	
Name:	GENERAL ELECTRIC COMPANY
Street Address:	ONE RIVER ROAD
City:	SCHENECTADY
State/Country:	NEW YORK
Postal Code:	12345
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16656650
CORRESPONDENCE DATA	
Fax Number:	(717)237-5300
<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>	
Phone:	717-237-5395
Email:	hlawrence@mcneeslaw.com
Correspondent Name:	HOLLY J. LAWRENCE
Address Line 1:	100 PINE STREET
Address Line 2:	P.O. BOX 1166
Address Line 4:	HARRISBURG, PENNSYLVANIA 17108-1166
ATTORNEY DOCKET NUMBER:	22113-0298-C1
NAME OF SUBMITTER:	HOLLY J. LAWRENCE
SIGNATURE:	/Holly J. Lawrence/
DATE SIGNED:	10/18/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	

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:

**TURBINE COMPONENT AND METHODS OF MAKING AND COOLING A TURBINE
COMPONENT**

- ☒ 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
Sandip		DUTTA	of	Greenville	SC	US
James		ZHANG	of	Greenville	SC	US
Gary	Michael	ITZEL	of	Simpsonville	SC	US
John	McConnell	DELVAUX	of	Fountain Inn	SC	US

Docket No.: 283110/22113-0298

Customer No.: 13152

Matthew	Troy	HAFNER	of	Honea Path	SC	US
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hereby sell and assign to:

Name of Company: GENERAL ELECTRIC COMPANY
Entity Type (optional): <i>New York corporation</i>
Address: <i>One 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.

Docket No.: 283110/22113-0298

Customer No.: 13152

INVENTOR 1

Signature: *Sandip DUTTA*
Sandip DUTTA

Date: June 3, 2016

Witnessed by: *Joseph A. Weber*
Signature

Date: June 3, 2016

Joseph A. Weber
Printed Name of Witness

Witnessed by: *Lindsay Kibler*
Signature

Date: 6/3/16

Lindsay Kibler
Printed Name of Witness

INVENTOR 2

Signature: _____
James ZHANG

Date: _____

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

INVENTOR 3

Signature: Gary Michael Itzel
Gary Michael ITZEL

Date: 6/3/2016

Witnessed by: Christopher W. Kester
Signature

Date: 6/3/16

Christopher W. Kester
Printed Name of Witness

Witnessed by: Robert Meyer
Signature

Date: 6/3/16

ROBERT MEYER
Printed Name of Witness

INVENTOR 4

Signature: _____
John McConnell DELVAUX

Date: _____

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

Docket No.: 283110/22113-0298
Customer No.: 13152

INVENTOR 5

Signature: _____
Matthew Troy HAFNER

Date: _____

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

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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
Sandip		DUTTA	of	Greenville	SC	US
James		ZHANG	of	Greenville	SC	US
Gary	Michael	ITZEL	of	Simpsonville	SC	US
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Docket No.: 283110/22113-0298
Customer No.: 13152

Matthew	Troy	HAFNER	of	Honea Path	SC	US
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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.

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INVENTOR 1

Signature: _____
Sandip DUTTA

Date: _____

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

INVENTOR 2

Signature: _____
James ZHANG

Date: 6/3/2016

Witnessed by: _____
Signature

Date: 6/3/2016

Gerald Rawcliffe
Printed Name of Witness

Witnessed by: _____
Signature

Date: 6/3/2016

Robert T Thatcher
Printed Name of Witness

INVENTOR 3

Signature: _____

Gary Michael ITZEL

Date: _____

Witnessed by: _____

Signature

Date: _____

Printed Name of Witness

Witnessed by: _____

Signature

Date: _____

Printed Name of Witness

INVENTOR 4

Signature: _____

John McConnell DELVAUX

Date: 6/3/16

Witnessed by: Robert J. Thatcher

Signature

Date: 6/3/2016

Printed Name of Witness

Witnessed by: Stan F. Simpson

Signature

Date: June 3, 2016

Printed Name of Witness

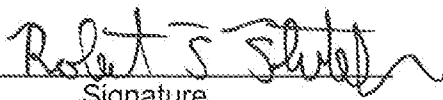
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Customer No.: 13152

INVENTOR 5

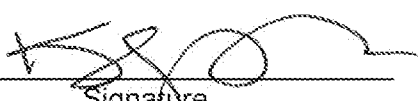
Signature: 
Matthew Troy HAFNER

Date: 6/3/16

Witnessed by: 
Signature

Date: 6/3/2016

Robert T. Thatcher
Printed Name of Witness

Witnessed by: 
Signature

Date: 6/3/2016

KIMBERLY M. RANKIN
Printed Name of Witness

