

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3802234

<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 TROY HAFNER	03/23/2016
GARY MICHAEL ITZEL	03/24/2016
JOHN MCONNELL DELVAUX	03/23/2016
SANDIP DUTTA	03/23/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GENERAL ELECTRIC COMPANY
<b>Street Address:</b>	ONE 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>
<b>Application Number:</b>	15080201
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	614-719-2853
<b>Email:</b>	tbryan@mwn.com
<b>Correspondent Name:</b>	TARA R. BRYAN
<b>Address Line 1:</b>	21 E. STATE STREET
<b>Address Line 2:</b>	STE. 1700
<b>Address Line 4:</b>	COLUMBUS, OHIO 43215
<b>ATTORNEY DOCKET NUMBER:</b>	284672/22113-0301-01
<b>NAME OF SUBMITTER:</b>	TARA R. BRYAN
<b>SIGNATURE:</b>	/Tara R. Bryan/
<b>DATE SIGNED:</b>	03/28/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 6</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:

**APPARATUS, TURBINE NOZZLE AND TURBINE SHROUD**

- ☒ 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
Matthew	Troy	HAFNER	of	Honea Path	SC	US
Gary	Michael	ITZEL	of	Simpsonville	SC	US
John	McConnell	DELVAUX	of	Fountain Inn	SC	US
Sandip		DUTTA	of	Greenville	SC	US

Docket No.: 284672/22113-0301-01  
Customer No.: 13152

hereby sell and assign to:

Name of Company: <b>GENERAL ELECTRIC COMPANY</b>
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.

INVENTOR 1

Signature: Matthew T. Hafner  
Matthew Troy HAFNER

Date: 3/23/16

Witnessed by: Glenn Taxacher  
Signature

Date: 3/23/16

GLENN TAXACHER  
Printed Name of Witness

Witnessed by: James Zhang  
Signature

Date: 3/23/16

James Zhang  
Printed Name of Witness

INVENTOR 2

Signature: \_\_\_\_\_  
Gary Michael ITZEL

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

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

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

\_\_\_\_\_  
Printed Name of Witness

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

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

\_\_\_\_\_  
Printed Name of Witness

Docket No.: 284672/22113-0301-01  
Customer No.: 13152

INVENTOR 1

Signature: \_\_\_\_\_  
Matthew Troy HAFNER

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

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

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

Printed Name of Witness

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

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

Printed Name of Witness

INVENTOR 2

Signature: \_\_\_\_\_  
Gary Michael ITZEL

Date: 3/24/2016

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

Date: 3/24/2016

James Zhang  
Printed Name of Witness

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

Date: 3/24/2016

GREG STOCKERT  
Printed Name of Witness

INVENTOR 3

Signature: \_\_\_\_\_

**John McConnell DELVAUX**

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

3/23/16

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

Signature

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

3/23/16

Printed Name of Witness

Robert T. Thatcher

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

Signature

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

3/23/16

Printed Name of Witness

NIRANJAN C. PAI

INVENTOR 4

Signature: \_\_\_\_\_

**Sandip DUTTA**

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

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

Signature

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

Printed Name of Witness

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

Signature

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

Printed Name of Witness

INVENTOR 3

Signature: \_\_\_\_\_  
John McConnell DELVAUX

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

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

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

Printed Name of Witness

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

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

Printed Name of Witness

INVENTOR 4

Signature: \_\_\_\_\_  
Sandip DUTTA

Date: March 23, 2016

Witnessed by: Elisabeth Black  
Signature

Date: March 23, 2016

Elisabeth Black  
Printed Name of Witness

Witnessed by: Michelle Iduate  
Signature

Date: March 23, 2016

Michelle Iduate  
Printed Name of Witness