

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5340765

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN MCCONNELL DELVAUX	12/12/2018
MARKUS FEIGL	12/11/2018
MATTHEW TROY HAFFNER	12/12/2018
MICHAEL ANTHONY WONDRASEK	01/10/2019
JAMES ZHANG	12/13/2018
PETER DE DIEGO	12/13/2018
<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>
<b>Application Number:</b>	16235114
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(518)514-1343
<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>	518-387-6843
<b>Email:</b>	shannon.cannizzaro@ge.com
<b>Correspondent Name:</b>	GENERAL ELECTRIC COMPANY ATTN: ERNEST CU
<b>Address Line 1:</b>	1 RESEARCH CIRCLE
<b>Address Line 2:</b>	K1-3A60
<b>Address Line 4:</b>	NISKAYUNA, NEW YORK 12309
<b>ATTORNEY DOCKET NUMBER:</b>	327790
<b>NAME OF SUBMITTER:</b>	MARK E. HENDERSON
<b>SIGNATURE:</b>	/meh51144/
<b>DATE SIGNED:</b>	01/24/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT

**Total Attachments: 8**

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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:

**HYBRID ROTOR BLADES FOR TURBINE ENGINES**

- the specification of which is attached hereto OR  
 United States application or PCT international application number \_\_\_\_\_ 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,

<u>John McConnell Delvaux</u>	<u>of</u>	<u>Fountain Inn, South Carolina</u> <i>(city, state or country)</i>
<u>Markus Feigl</u>	<u>of</u>	<u>Simpsonville, South Carolina</u> <i>(city, state or country)</i>
<u>Matthew Troy Hafner</u>	<u>of</u>	<u>Honea Path, South Carolina</u> <i>(city, state or country)</i>

Michael Anthony Wondrasek of Greenville, South Carolina  
*(city, state or country)*

James Zhang of Simpsonville, South Carolina  
*(city, state or country)*

Peter de Diego of Zirconia, North Carolina  
*(city, state or country)*

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>

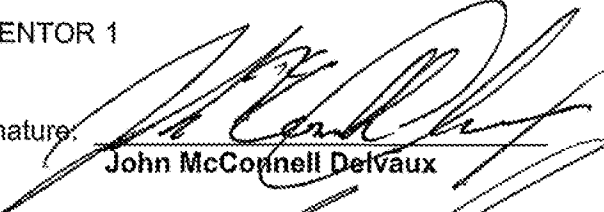
herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made and conceived by us described in the application(s) listed above and in the following table:

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, 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, 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:   
John McConnell Delvaux

Date: 12/12/18

Witnessed by:   
Signature

Date: Dec 12 2018

Jerome W. Goike  
Printed Name of Witness

Witnessed by:   
Signature

Date: 12/12/2018

Joseph A Weber  
Printed Name of Witness

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

\_\_\_\_\_  
John McConnell Delvaux Date: \_\_\_\_\_

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

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named John McConnell Delvaux, 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: Markus Feigl  
Markus Feigl

Date: December 11, 2018

Witnessed by: Sharon T. Swede  
Signature

Date: Dec 11, 2018

Sharon T. Swede  
Printed Name of Witness

Witnessed by: Brandon Cox  
Signature

Date: 12/11/2018

Brandon Cox  
Printed Name of Witness

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

\_\_\_\_\_  
Markus Feigl Date: \_\_\_\_\_

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

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Markus Feigl**, 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: *Matthew Troy Hafner*  
Matthew Troy Hafner

Date: 12/12/18

Witnessed by: *Thomas E. Wickert*  
Signature

Date: 12/12/2018

THOMAS E. WICKERT  
Printed Name of Witness

Witnessed by: *Lyndsay Kibler*  
Signature

Date: 12/12/2018

Lyndsay Kibler  
Printed Name of Witness

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

\_\_\_\_\_  
**Matthew Troy Hafner**

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

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

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Matthew Troy Hafner**, 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 4

Signature: *Michael Anthony Wondrasek*  
Michael Anthony Wondrasek

Date: 1/10/19

Witnessed by: *[Signature]*  
Signature

Date: 1/10/19

Jan Agudo  
Printed Name of Witness

Witnessed by: *M. Sulyma*  
Signature

Date: 1/10/19

MEHMET S. CIRRY  
Printed Name of Witness

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

\_\_\_\_\_  
Michael Anthony Wondrasek

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

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

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Michael Anthony Wondrasek**, 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.

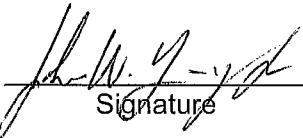
Seal \_\_\_\_\_  
(Notary Public)



INVENTOR 5

Signature:   
James Zhang

Date: 12/13/2018

Witnessed by:   
Signature

Date: 12/13/18

John W. Young Jr.  
Printed Name of Witness

Witnessed by:   
Signature

Date: 12/13/18

Kai-cheng Ning  
Printed Name of Witness

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

\_\_\_\_\_  
James Zhang

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

STATE OF

ss.

COUNTY OF

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

INVENTOR 6

Signature: *Peter de Diego* Date: Dec 13/18  
Peter de Diego

Witnessed by: *John W. Young Jr.* Date: 12-13-18  
Signature  
John W. Young Jr.  
Printed Name of Witness

Witnessed by: *John Greeng* Date: 12/13/2018  
Signature  
JOHN GREENG  
Printed Name of Witness

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

\_\_\_\_\_ Date: \_\_\_\_\_  
Peter de Diego

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

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Peter de Diego, 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)