# 504318131 04/12/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4364813

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ROBERT FRANK HOSKIN	04/07/2017
ROBERT ALDO DEL FREO	04/10/2017
JOSEPH WILLIAM JANSSEN	04/10/2017
JOSEPH LEONARD MOROSO	04/10/2017
ERIC ALAN OVERHOLT	04/06/2017
MATTHEW IAN VAN BIERVLIET	04/10/2017
JOSEPH ANTHONY WEBER	04/11/2017

#### **RECEIVING PARTY DATA**

Name:	General Electric Company	
Street Address:	1 River Road	
City:	Schenectady	
State/Country:	NEW YORK	
Postal Code:	12345	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	15485536	

#### CORRESPONDENCE DATA

**Fax Number:** (518)449-0047

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.

**Phone:** 518-449-0044

**Email:** ptocommunications@hoffmanwarnick.com,

cwhittaker@hoffmanwarnick.com

Correspondent Name: HOFFMAN WARNICK LLC

Address Line 1: 540 BROADWAY
Address Line 2: 4TH FLOOR

Address Line 4: ALBANY, NEW YORK 12207

ATTORNEY DOCKET NUMBER: 318395A-1

NAME OF SUBMITTER: SPENCER K. WARNICK

SIGNATURE: /Spencer K. Warnick/

PATENT 504318131 REEL: 041984 FRAME: 0115

<b>DATE SIGNED:</b> 04/12/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 9	•
source=318395A-1_CombinedDecl	arationAssignment_12APR2017#page1.tif
source=318395A-1_CombinedDeclarationAssignment_12APR2017#page2.tif	
source=318395A-1_CombinedDeclarationAssignment_12APR2017#page3.tif	
source=318395A-1_CombinedDeclarationAssignment_12APR2017#page4.tif	
source=318395A-1_CombinedDeclarationAssignment_12APR2017#page5.tif	
source=318395A-1_CombinedDeclarationAssignment_12APR2017#page6.tif	
source=318395A-1_CombinedDeclarationAssignment_12APR2017#page7.tif	
source=318395A-1_CombinedDeclarationAssignment_12APR2017#page8.tif	

 $source = 318395 A-1\_Combined Declaration Assignment\_12 APR 2017 \# page 9.t if$ 

PATENT REEL: 041984 FRAME: 0116

### 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:

## HOLE DRILLING ELASTICALLY DEFORMED SUPERALLOY TURBINE BLADE

$\boxtimes$	the specification of which is attached hereto OR	
	United States application or PCT international application nu	mber
	filed on	, as
	amended on [date] (if applicable).	
	(We hereby authorize and request the Company or its delegated a	ttorneys or agents to insert above
	the application number and filing date of the application when know	Nn.)

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
Robert	Frank	Hoskin	of	Lawrenceville	GA	US
Robert	Aldo	Del Freo	of	Dingmans Ferry	PA	US
Joseph	William	Janssen	of	Lambertville	NJ	US
Joseph	Leonard	Moroso	of	Greenville	SC	US
Eric	Alan	Overholt	of	Bath	PA	US
Matthew	lan	Van Biervliet	of	Parsippany	NJ	US
Joseph	Anthony	Weber	of	Simpsonville	SC	US

v9.18.12

PATENT REEL: 041984 FRAME: 0117 hereby sell and assign to:

Name of Company: General Electric Company	
Entity Type (optional): New York corporation	
Address: 1 River Road, Schenectady, New York 12345 USA	

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.

Date: \_\_\_\_\_ Signature: Robert Frank Hoskin Witnessed by: Date: Signature Printed Name of Witness Witnessed by: Signature Date: Printed Name of Witness SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY Robert Frank Hoskin STATE OF GROWIN COUNTY OF GWINNEH SS. This 7 day of Apric , 2017 before me personally came the above-named Robert Frank Hoskin, 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

GE Docket No. 318395A-1

INVENTOR 1

INVENTOR 2	
Signature: Was Mire Signature: Robert Aldo Del Freo	Date: 4-10-17
Witnessed by: O.Varylysclube Signature	Date: 4/10/17
OEKSII VASYLYSCHUK Printed Name of Witness	
Witnessed by: <u>Aww</u> <u>Bww</u> Signature	Date: 4/10/17
ARIEL BURKS Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIGN	IING IN PRESENCE OF A NOTARY
Date Robert Aldo Del Freo	e:
STATE OF	
COUNTY OF	
Del Freo, to me personally known as the individual v	efore me personally came the above-named Robert Aldowho executed the foregoing assignment, who e of his/her own free will for the purposes therein set
Seal	(Notary Public)

INVENTOR 3	
Signature: Joseph William Janssen	Date: April 10, 2017
Witnessed by: O.Vasylyschuk	Date: 4/10/17
Signature  OLEKSII VA SYLYSCHUK  Printed Name of Witness	
Witnessed by: And Burn Signature	Date: 4/10/17
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIG	GNING IN PRESENCE OF A NOTARY
D Joseph William Janssen	ate:
STATE OF ss.	
COUNTY OF	
William Janssen, to me personally known as the in	before me personally came the above-named Joseph ndividual who executed the foregoing assignment, who me of his/her own free will for the purposes therein set
Seal	(Notary Public)

GE Docket No. 318395A-1	
INVENTOR 4	
Signature: Moroso	Date: 4-10-17
Witnessed by: <b>#U.J.</b> Signature	Date: <u>4-/0-/7</u>
Mel J. Myers Printed Name of Witness	-
Witnessed by: Signature	Date: 4-10-19
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF S	IGNING IN PRESENCE OF A NOTARY
Joseph Leonard Moroso	Date:
STATE OF ss.	
COUNTY OF	
	_ before me personally came the above-named Joseph individual who executed the foregoing assignment, who ame of his/her own free will for the purposes therein set
Seal	(Notary Public)
	· · · · · · · · · · · · · · · · · · ·

INVENTOR 5	
Signature: Luz alan Ouwhaht— Eric Alan Overholt	Date: <u>April 6, 2017</u>
Witnessed by: Lynther Signature	Date: 4014 2017
Cybista A. Tory Printed Name of Wilness	
Witnessed by: 400	Date: <u>April 6, 2017</u>
Gerald Darlington	
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIGNIN	IG IN PRESENCE OF A NOTARY
Eric Alan Overholt	
STATE OF S6.	
This day of , befo	e me personally came the above-named Eric Overholt,
to me personally known as the individual who execute that he/she executed the same of his/her own free will	d the foregoing assignment, who acknowledged to me
Seal	
The second secon	(Nintany Duhlin)

INVENTOR 6	
Signature: Mushew Itan Van Brown Matthew Ian Van Biervliet	Date: <u>4/10/17</u> Date: <u>4/10/17</u>
Witnessed by: <i>D. Varyhschuk</i> Signature	Date: 4/10/17
OEKSi VASUUSOWK Printed Name of Witness	
Witnessed by: Aud Bung Signature	Date: <u>9/10/17</u>
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIGNI	ING IN PRESENCE OF A NOTARY
Date Matthew Ian Van Biervliet	
STATE OF ss. COUNTY OF	
This day of, bef Biervliet, to me personally known as the individual whacknowledged to me that he/she executed the same forth.	
Seal	(Notary Public)

**INVENTOR 7** Signature: Joseph anthony Weber Date: 4-11-17

Joseph Anthony Weber Witnessed by: Moh Half
Signature Michelle Iduate Printed Name of Witness Date: 4/11/17 Printed Name of Witness SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY Date: Joseph Anthony Weber STATE OF SS. COUNTY OF This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_ before me personally came the above-named Joseph Anthony Weber, 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

> PATENT REEL: 041984 FRAME: 0125

(Notary Public)