505183224 11/09/2018

PATENT ASSIGNMENT COVER SHEET

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1 EPAS ID: PAT5229993

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YAN CUI	11/06/2018
MICHAEL DOUGLAS ARNETT	11/06/2018
MATTHEW JOSEPH LAYLOCK	11/08/2018
BRIAN LEE TOLLISON	11/06/2018
BRAD WILSON VANTASSEL	11/07/2018

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:	16185185

CORRESPONDENCE DATA

Fax Number: (518)514-1343

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: 518-385-2725

Email: shannon.cannizzaro@ge.com

Correspondent Name: GENERAL ELECTRIC COMPANY ATTN: ERNEST CU

Address Line 1: 1 RESEARCH CIRCLE

Address Line 2: K1-3A60

Address Line 4: NISKAYUNA, NEW YORK 12309

ATTORNEY DOCKET NUMBER:	501623	
NAME OF SUBMITTER:	JAMES W. PEMRICK	
SIGNATURE:	/jwp38577/	
DATE SIGNED:	11/09/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT 505183224 REEL: 047459 FRAME: 0605

Total Attachments: 7 source=501623-1_US_Combined_Assignment_Declaration_09Nov2018#page1.tif source=501623-1_US_Combined_Assignment_Declaration_09Nov2018#page2.tif source=501623-1_US_Combined_Assignment_Declaration_09Nov2018#page3.tif source=501623-1_US_Combined_Assignment_Declaration_09Nov2018#page4.tif source=501623-1_US_Combined_Assignment_Declaration_09Nov2018#page5.tif source=501623-1_US_Combined_Assignment_Declaration_09Nov2018#page6.tif source=501623-1_US_Combined_Assignment_Declaration_09Nov2018#page7.tif

PATENT REEL: 047459 FRAME: 0606

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:

	NICKEL-BASED SUPERAI	LLOY	AND ARTICLES
\boxtimes	the specification of which is attache	d here	to OR
	United States application or PCT int	ternati	onal application number . as
	amended on [date] (if applicable).		any or its delegated attorneys or agents to
The above-ic	lentified application was made or auth	orized	to be made by us.
We believe th	nat we are original joint inventors of a	claime	ed invention in the application.
	acknowledge that any willful false stat C § 1001 by fine or imprisonment of n		made in this declaration is punishable te than five (5) years, or both.
	iewed and understand the contents of nended by any amendment referred to		pove-identified application, including the e.
application a information v	s defined in 37 CFR § 1.56, including	, for co	n is material to the patentability of this ontinuation-in-part applications, material ate of the prior application and the filing
Agreement of Services Agreement	or (as applicable) arising out of other reement between General Electric (agree Compa	Innovation and Proprietary Information ments (such as, but not limited to, the my, a New York corporation, and our ation of which we acknowledge receipt,
	Yan Cui	<u>of</u>	Greer, South Carolina
			(city, state or country)
	Michael Douglas Arnett	<u>of</u>	Simpsonville, South Carolina
			(city, state or country)
M	atthew Joseph Laylock	<u>of</u>	Easley, South Caroline

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(city, state or country)

Brian Lee Tollison	<u>of</u> -	Honea Path, South Carolina (city, state or country)
Brad Wilson VanTassel	<u>of</u>	Easley, South Carolina
		(city, state or country)
hereby sell and assign to:		
Name of Company: General Electric Company		
Entity Type (optional): New York corporation		
Address: 1 River Road, Schenectady, New York 1.	2345	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 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: <u>Yuvu Ciù</u> Yan Gi	Date:
Witnessed by: <u>Ibrahi Žook</u> Signature	Date: 11-6-2018
IBRAHIM UCOK. Printed Name of Witness	
Witnessed by: <u>&& M[°] Cowww</u> Signature	Date: 11-6-2018
Eric McConnell	
Printed Name of Witness	······
SECTION BELOW IS FOR USE ONLY IF	SIGNING IN PRESENCE OF A NOTARY
	Date:
Yan Cui	
STATE OF	
COUNTY OF	
Thisday of	before me personally came the above-named <u>Yan</u>
<u>Cui,</u> to me personally known as the individ	lual 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)

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"NICKEL-BASED SUPERALLOY AND ARTICLES"

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GE Docket No. 501623 "NICKEL-BASED SUPERALLOY AND ARTICLES" INVENTOR 2 Date: 11/6/2018

Date: 11/6/2018 Printed Name of Witness Date: 11/6/2018 SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY Michael Douglas Arnett STATE OF 58, COUNTY OF This _____ day of _____, ____ before me personally came the above-named Michael Douglas Arnett, to me personally known as the individual who executed the foregoing

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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 Matthew Joseph Laylock Witnessed by: SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY Matthew Joseph Laylock STATE OF SS. **COUNTY OF** This _____ day of _____, ____ before me personally came the above-named Matthew Joseph Laylock, 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)

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INVENTOR 4	
Signature: Brian Lee Tollison	Date: 1/6/2018
Witnessed by: Three Myn Signature	Date: 11/6/2018
Thomas Mooks Printed Name of Witness	
Witnessed by Signature	Date: 11/6/25/4
Cab. 0e//a- K-a Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIGNING	
Date:	
Brian Lee Tollison	
STATE OF SS. COUNTY OF	
This day of, bef	
Brian Lee Tollison, to me personally known as II	
assignment, who acknowledged to me that he/she ex-	scuted the same of his/her own free will for
the purposes therein set forth.	
Seal	(Notary Public)
	(LANGALL CHURN)

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INVENTOR 5 Signature: 6. W. Lon Von Tosse Date: 11/7/2018
Brad Wilson VanTassel Witnessed by: Jan. Nex. Date: 1/17/1018
Signature Date: _11/7/2018 SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY Brad Wilson VanTassel STATE OF 55. COUNTY OF This _____, before me personally came the above-named Brad Wilson VanTassel, 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)

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