

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3871821

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TODD JAY ROCKSTROH	11/03/2014
MICHAEL FRANCIS XAVIER GIGLIOTTI	11/04/2014
WILLIAM THOMAS CARTER	11/03/2014
DAVID HENRY ABBOTT	11/06/2014
RAJENDRA MACHUKAR KELKAR	11/03/2014
RECEIVING PARTY DATA	
Name:	GENERAL ELECTRIC COMPANY
Street Address:	1 RIVER ROAD
City:	SCHENECTADY
State/Country:	NEW YORK
Postal Code:	12345
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	15036456
Application Number:	61904183
CORRESPONDENCE DATA	
Fax Number:	(203)373-7153
<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:	203-366-7474
Email:	Claire.Murray@ge.com
Correspondent Name:	GENERAL ELECTRIC COMPANY GE GLOBAL PATEN
Address Line 1:	3135 EASTON TURNPIKE
Address Line 4:	FAIRFIELD, CONNECTICUT 06828
ATTORNEY DOCKET NUMBER:	269322 _10
NAME OF SUBMITTER:	BRIAN P. OVERBECK
SIGNATURE:	/Brian P. Overbeck, Reg. #69227/
DATE SIGNED:	05/13/2016
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:

LAYERED MANUFACTURING OF SINGLE CRYSTAL ALLOY COMPONENTS

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

PCT/US2014/065205 filed on Nov. 12, 2014, 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
Todd	Jay	Rockstroh	of	Cincinnati	OH	US
Michael	Francis Xavier	Gigliotti	of	Niskayuna	NY	US
William	Thomas	Carter	of	Niskayuna	NY	US
David	Henry	Abbott	of	Cincinnati	OH	US

Classification: GE Internal

Rajendra	Machukar	KELKAR	of	Cincinnati	OH	
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hereby sell and assign to:

Name of Company: <i>GENERAL ELECTRIC COMPANY</i>
Entity Type (optional):
Address: <i>1 River Road</i> <i>Schenectady, New York 12345</i> <i>United States of America</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
US	PRO	61/904183	November 14, 2013	LAYERED MANUFACTURING OF SINGLE CRYSTAL ALLOY COMPONENTS
US	PRO	61/904188	November 14, 2013	TURBINE COMPONENTS WITH NEGATIVE CTE FEATURES
WO	PCT	PCT/US2014/06520 5	November 12, 2014	LAYERED MANUFACTURING OF SINGLE CRYSTAL ALLOY COMPONENTS

(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: Todd Jay Rockstroh
Todd Jay Rockstroh

Date: 11-03-14

Witnessed by: Matt Langford
Signature

Date: 11-3-14

Matt Langford
Printed Name of Witness

Witnessed by: PWx
Signature

Date: 11-03-2014.

Ping Wang.
Printed Name of Witness

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

Todd Jay Rockstroh

Date: _____

STATE OF

SS.

COUNTY OF

This _____ day of _____, 2014 before me personally came the above-named Todd Jay Rockstroh, 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

Michael Francis Xavier Gigliotti
Signature: _____

Date: Nov 4, 2014

Michael Francis Xavier Gigliotti

Witnessed by: *[Signature]*
Signature

Date: Nov 4, 2014

Sean M. Sweeney
Printed Name of Witness

Witnessed by: *[Signature]*
Signature

Date: Nov 4, 2014

Sylvia M. DeCaro
Printed Name of Witness

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

Michael Francis Xavier Gigliotti

Date: _____

STATE OF

ss.

COUNTY OF

This _____ day of _____, 2014 before me personally came the above-named Michael Francis Xavier Gigliotti, 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: *William Thomas Carter*
William Thomas Carter

Date: 11/3/14

Witnessed by: *Judson S. Mast*
Signature

Date: 11.3.2014

Judson S. Mast
Printed Name of Witness

Witnessed by: *Timothy Hanlon*
Signature

Date: 11/3/14

Timothy Hanlon
Printed Name of Witness

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

William Thomas Carter Date: _____

STATE OF _____
COUNTY OF _____

ss.

This _____ day of _____, 2014 before me personally came the above-named **William Thomas Carter**, 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)

GE Docket No.269322-1 PCT

INVENTOR 4

Signature: David H. Abbott
David Henry Abbott

Date: 11-06-14

Witnessed by: Jared Wolfe
Signature
Jared Wolfe
Printed Name of Witness

Date: 11/6/14

Witnessed by: Joseph Grow
Signature
Joseph Grow
Printed Name of Witness

Date: 11/6/14

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David Henry Abbott Date: _____

STATE OF

ss.

COUNTY OF

This _____ day of _____, 2014 before me personally came the above-named David Henry Abbott, 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: [Handwritten Signature]
Rajendra Madhukar Kelkar

Date: 10/08/14

Witnessed by: [Handwritten Signature]
Signature

Date: 11/03/14

Jake M. Chapman
Printed Name of Witness

Witnessed by: [Handwritten Signature]
Signature

Date: 11-3-14

Michael D. Clark
Printed Name of Witness

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

Rajendra Madhukar Kelkar

Date: _____

STATE OF

ss.

COUNTY OF

This _____ day of _____, 2014 before me personally came the above-named Rajendra Madhukar Kelkar, 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)