# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
KENNETH A. FULLER	09/18/2014
CHRISTOPHER E. LAMASTER	10/07/2014

# **RECEIVING PARTY DATA**

Name:	ROLLS-ROYCE CORPORATION
Street Address:	2001 S. TIBBS AVENUE
Internal Address:	MAIL DROP U27
City:	INDIANAPOLIS
State/Country:	INDIANA
Postal Code:	46241

# **PROPERTY NUMBERS Total: 3**

Property Type	Number
Application Number:	61769527
Application Number:	14190609
PCT Number:	US1418588

## **CORRESPONDENCE DATA**

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Address Line 2: SUITE 700 ATTN: PATENT GROUP

Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	ROLL-003/00US 313621-2059
NAME OF SUBMITTER:	JOHN R. MILLS
SIGNATURE:	/John R. Mills Reg. # 56,414/
DATE SIGNED:	11/21/2014

**Total Attachments: 5** 

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**PATENT** 

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PATENT REEL: 034234 FRAME: 0647

## **ASSIGNMENT**

Kenneth A. FULLER, residing at 9037 Stones Bluff Place, Camby, IN 46113, and Christopher E. LAMASTER, residing at 5537 Floating Leaf Drive, Indianapolis, IN 46237 (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled <u>METHODS AND APPARATUS FOR MEASURING AXIAL SHAFT DISPLACEMENT WITHIN GAS TURBINE ENGINES</u>, and which is a:

(1)	provisiona (a) (b)	al application  to be filed herewith; or  bearing Application No.  February 26, 2013;	61/769,527,	and filed on
(2)	non-provis	sional application  to be filed herewith; or  bearing Application No.  February 26, 2014; and/or	<u>14/190,609</u> ,	and filed on
(3)	PCT appli	cation    Solution   S	PCT/US2014	4 <u>/018588</u> , and

WHEREAS, Rolls-Royce Corporation, a corporation duly organized under and pursuant to the laws of Delaware, and having its principal place of business at 2001 S. Tibbs Avenue, Mail Drop U27, Indianapolis, IN 46241 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application for patent identified in paragraph (1), (2) and/or (3); the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent(s) of the United States or other countries that may be granted therefor or thereon.

**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1), (2) and/or (3);

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- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1), (2) and/or (3) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part;
- (f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the proceeding paragraphs (b)-(e); and
- (g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the

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attorney docket number of the application(s) identified in paragraph (1), (2) and/or (3) when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Signature of Notary Public

My Commission Expires: 6 - 16 = 6

official seal LISR**IageLino**tary Seal Above NOTARY PUBLIC – INDIANA

MARION COUNTY
My Comm. Expires 06-16-2018

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Date: 0/7/14  By: ME 1MD  Christopher E. LAMASTER	
State of $\frac{\partial h}{\partial s}$ ss.	
On Mf 7th, Sult, before me, amanda B. Hughes Notary Public, personally appeared Mristopher E. Lamaster.	
who proved to me on the basis of satisfactory evidence, to be the person(s) whose	
name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by	
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.	
WITNESS my hand and official seal.	
Amanda R. Hu Stanature of Notary Public State	
Signature of Notary Public  My Commission Expires:  My Commission Expires:	s 12-12-2018

Date: 9-24-2014 By:	
•	Name: To cicl Roynolds
	Title: IP Professional
	Company: Rolls-Royce Corporation
State of (Chicona) ) ss.	
County of [Y]arloa	_
On <u>24 Sept 2014</u> , before me,	, Ginner Rezu
Notary Public, personally appeared Toda	1
who proved to me on the basis of satisfactory	evidence, to be the person(s) whose
name(s) is/are subscribed to the within instru	ment and acknowledged to me that
he/she/they executed the same in his/her/their	authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the p	person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument	t
	The same of the sa
	ES/ ENGRAPE TO SE
WITNESS my hand and official seal.	5 744 /8 -
	- STANKE
Signature of Nortry Public	Place Notary Seal Above
My Commission Expires: 08-28-2000	****