

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4559152

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DONALD E. PINNICK	06/04/2015
BRUCE E. VARNEY	02/25/2015
SUJIT NANDA	08/21/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ROLLS-ROYCE CORPORATION
<b>Street Address:</b>	450 SOUTH MERIDIAN STREET
<b>City:</b>	INDIANAPOLIS
<b>State/Country:</b>	INDIANA
<b>Postal Code:</b>	46225-1103
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14142604
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	248-594-0600
<b>Email:</b>	patentmail@fishstewip.com
<b>Correspondent Name:</b>	FISHMAN STEWART PLLC AND ROLLS-ROYCE COR
<b>Address Line 1:</b>	39533 WOODWARD AVENUE
<b>Address Line 2:</b>	SUITE 140
<b>Address Line 4:</b>	BLOOMFIELD HILLS, MICHIGAN 48304
<b>ATTORNEY DOCKET NUMBER:</b>	67382-0165/RCA10928US
<b>NAME OF SUBMITTER:</b>	PAUL M. RATZMANN
<b>SIGNATURE:</b>	/PAUL M. RATZMANN/
<b>DATE SIGNED:</b>	08/21/2017
<b>Total Attachments: 9</b>	
source=R1321465#page1.tif	
source=R1321465#page2.tif	
source=R1321465#page3.tif	

source=R1321465#page4.tif

source=R1321465#page5.tif

source=R1508794#page1.tif

source=R1508794#page2.tif

source=R1508794#page3.tif

source=R1508794#page4.tif

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this 4th day of June, 2015, by Donald E. Pinnick and Bruce E. Varney (hereinafter referred to as Assignors), residing at 148 Wagon Trail, Mooresville, Indiana 46158; and 634 Rylan Circle, Greenwood, Indiana 46142, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in GAS TURBINE ENGINE COMBUSTOR LINER, set forth in a Patent application for Letters Patent of the United States, already filed on December 27, 2013 as U.S. Application No. 61/793,517; and

**WHEREAS**, Rolls-Royce Corporation, a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 450 South Meridian Street, Indianapolis, Indiana 46225-1103 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire worldwide right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration. Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

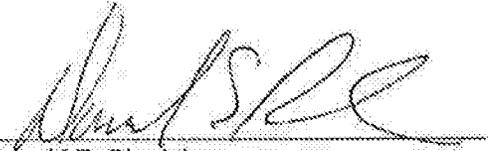
AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

RADER, FISHMAN & GRAUER PLLC

All practitioners at Customer Number 126260.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

June 4, 2015  
Date

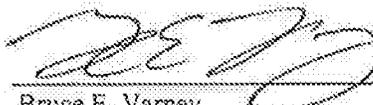
  
Donald E. Pinnick

Witness:

\_\_\_\_\_  
Date

\_\_\_\_\_

25 Feb, 2015  
Date

  
Bruce E. Varney

Witness:  
25 FEB, 2015  
Date

  
MATT SCOTT

## ASSIGNMENT BY INVENTOR

**THIS ASSIGNMENT**, made on the dates indicated below, by Sujit Nanda  
(hereinafter referred to as Assignor), residing at ~~2020 E. 65th St., Indianapolis, Indiana 46220;~~  
21246 ALANIS CIR, HUNTINGTON BEACH, CA 92648

**WHEREAS**, Assignor has invented certain new and useful improvements in GAS  
TURBINE ENGINE WITH IMPROVED COMBUSTION LINER, set forth in a Patent  
application for Letters Patent of the United States, already filed on December 27, 2013 as U.S.  
Application No. 14/142,604; and

**WHEREAS**, Rolls-Royce Corporation, a Corporation organized under and pursuant  
to the laws of Delaware having its principal place of business at 450 South Meridian Street,  
Indianapolis, Indiana 46225-1103 (hereinafter referred to as Assignee), is desirous of acquiring  
the entire right, title and interest in and to said inventions and said Application for Letters  
Patent of the United States, and in and to any Letters Patent of the United States to be obtained  
therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and  
sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold,  
assigned, transferred and set over, and by these presents does sell, assign, transfer and set over,  
unto Assignee, its successors, legal representatives and assigns, the entire right, title and  
interest in and to the above-mentioned inventions and application for Letters Patent, and in and  
to any and all direct and indirect divisions, continuations and continuations-in-part of said  
application, and any and all Letters Patent in the United States and all foreign countries which  
may be granted therefore and thereon, and reissues, reexaminations and extensions of said  
Letters Patent, and all rights under the International Convention for the Protection of Industrial  
Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use  
and benefit of its successors, legal representatives and assigns, to the full end of the term or  
terms for which Letters Patent may be granted and/or extended, as fully and entirely as the  
same would have been held and enjoyed by Assignor, had this sale and assignment not been  
made.

**AND** for the same consideration, Assignor hereby represents and warrants to  
Assignee, its successors, legal representatives and assigns, that, at the time of execution and

07382-0185

delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

ROLLS-ROYCE NORTH AMERICA, INC.

All practitioners at Customer Number 126260

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

8/21/2017

Date



Sujit Nanda

Witness:

8/21/17

Date



87382-0185

PATENT