PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4590348

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sivakumar NADARAJAN	08/22/2017
Amit K GUPTA	08/22/2017
Vaiyapuri VISWANATHAN	08/29/2017
Chandana J GAJANAYAKE	08/29/2017

RECEIVING PARTY DATA

Name:	Rolls-royce Plc	
Street Address: 62 Buckingham Gate		
City:	London	
State/Country:	Great Britain	
Postal Code:	SW1E 6AT	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15702182

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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: 703-836-6400 Email: email@oliff.com JAMES A. OLIFF **Correspondent Name: OLIFF PLC** Address Line 1:

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER:	178357
NAME OF SUBMITTER:	JASMINE L. BARFIELD
SIGNATURE:	/Jasmine L. Barfield/
DATE SIGNED:	09/12/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 8

PATENT REEL: 043563 FRAME: 0202



PATENT REEL: 043563 FRAME: 0203

ASSIGNMENT

			NADARAJAN, Sivakumar		
(1-8)	Insert Legal Name(s) of	GUPTA, Amit K		
	Inventor(s)	•	VISWANATHAN, Vaiyapuri		
			GAJANAYAKE, Chandana J		
			r (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt a ledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to	รกต์	
(9)	Insert Name of Assi	gnee	ROLLS-ROYCE plc		
(10)	Insert Address of A	ssignee	62 Buckingham Gate, London, SW1E 6AT, Great Britain		
244	for the United States of Ameri provisional, non-provisional, a	ca as defi lívisional, d reexami	and Assigned's heirs, successors, assigns and legal representatives, the entire right, title and intended in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all continuation, international, confirmation, substitute and reissue application(s), and all Letters nation certificates that may be granted on the invention known as	res t	
(11)	such as Title, Case Number, or Foreign Application Number	(11)	Brushless Synchronous Generator Stator Winding Fault		
			6257 VJAY		
		(Attor	ney Docket No.)	
(12)	Alternative	(12) ~	U.S. Application Number		
	Identification for				
	filed applications	filed			
	for the invention and as the Assignee may d 2) Each undersigned ag be declared concerning every way possible in 3) Each undersigned ag	also to e leem ne grees to g any a obtaini- grees to on with	execute all papers necessary in connection with any interference which may oplication or patents for the invention and to cooperate with the Assignee in a evidence and going forward with such interference. execute all papers and documents and perform any act which may be claims or provisions of the International Convention for Protection of	its V	

6) Each undersigned hereby grants the firm of Oliff plc the power to insert on this assignment any further identification that 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.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office and other issuing authorities to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal

confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Inven	tor					
(Print name) NADARAJAN, Six		AJAN, Siv	rakumar			
Date	22	AUGUST	2017	Inventor Signature	N. Small	(SEAL)
Cons					a Notary Public if within the U.S. I before at least two witnesses wh	
Date	22	AUGUST	2017	Witness	S. Romebirahu	S.RAMAKRĪSHNA
Date	22	AUGUST	2017	Witness	R. Opownya	SDWMYA RAVICHANDRAN

ASSIGNMENT

			NADARAJAN, Sivakumar	
(1-8)	Insert Legal Name(s) of	GUPTA, Amit K	
	Inventor(s)	•	VISWANATHAN, Vaiyapuri	
			GAJANAYAKE, Chandana J	
			or (\$1,00) and other good and valuable consideration paid to each of the undersigned, the receipt and eleged, each undersigned agrees to assign, and hereby does assign, transfer and set over to	
(9)	Insert Name of Assi	gnee	ROLLS-ROYCE plc	
(10)	Insert Address of Assignee		62 Buckingham Gate, London, SWIE 6AT, Great Britain	
	for the United States of Ameri provisional, non-provisional, a	ica as defi livisional	and Assignce's heirs, successors, assigns and legal representatives, the entire right, title and interest and in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all continuation, international, continuation, substitute and reissue application(s), and all Letters ination certificates that may be granted on the invention known as	
(11)	Insert Identification such as Title, Case	(11)	Brushless Synchronous Generator Stator Winding Fault	
	Number, or Foreign		6257 VJAY	
	Application Number	(Attorney Docket No.		
(12)	Alternative	(12) ~	U.S. Application Number	
	Identification for			
	filed applications	filed		
	for the invention and as the Assignee may d 2) Each undersigned ag be declared concerning every way possible in	also to e leem ne grees to g any a obtaini	execute all papers necessary in connection with any application and/or patent execute separate assignments in connection with such applications and patents cessary. execute all papers necessary in connection with any interference which may application or patents for the invention and to cooperate with the Assignee in the evidence and going forward with such interference. execute all papers and documents and perform any act which may be	

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Industrial Property or similar agreements.

Patent and Trademark Office for recordation of this document.

representatives.

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(Print	name)	GUPT.	A, Amit K		any	
Date	22	AUGUST	2017	Inventor Signatur	·	(SEAL)
Cons					a) a Notary Public if within the U.S.A. (bed before at least two witnesses who also	
Date	22	AUGUST	2017	Witness	R-Фоштуа Воштуп Кан	иснанован
Date	22	AUGUST	2017	Witness	K-th-xd - K. HAJA	NAJUBUDEFN

ASSIGNMENT

			NADARAJAN, Sivakumar	
(1-8)	Insert Legal Name(s) of Inventor(s)		GUPTA, Amit K	
			VISWANATHAN, Vaiyapuri	
			GAJANAYAKE, Chandana J	
	In consideration of the sum of sufficiency of which are herel	one dolla y seknow	r (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt as ledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to	id
(9)	Insert Name of Assi	gnee	ROLLS-ROYCE plc	
(10)	Insert Address of A	ssignee	62 Buckingham Gate, London, SWIE 6AT, Great Britain	
	for the United States of Ameri provisional, non-provisional,	ica as defi divisional	and Assignce's heirs, successors, assigns and legal representatives, the entire right, title and interent and in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all continuation, international, confirmation, substitute and reissue application(s), and all Letters institute certificates that may be granted on the invention known as	:5 £
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	filed applications	filed		
	for the invention and as the Assignee may of 2) Each undersigned as be declared concerning every way possible in 3) Each undersigned as necessary in connection Industrial Property or	also to e leem ne grees to grany a obtaini grees to m with similar	execute all papers necessary in connection with any interference which may opplication or patents for the invention and to cooperate with the Assignee in a evidence and going forward with such interference. execute all papers and documents and perform any act which may be claims or provisions of the International Convention for Protection of	ts

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Івусьіс	38			
(Print 1	asme}	VISWANATHAN	, Vaiyapuri	
Date	29	FLOC TEVQUA	Inventor Signature	(SEAL)
Consu	This ass I if outsic	ignment should preferably te the U.S.A. If neither, th	be signed before: (a en it should be signs	a) a Notary Public if within the U.S.A. (b) a U.S. ed before at least two witnesses who also sign here:
Date	29	AUGUST 2017	Witness	lan Welson
Date	29	FIGS TRUBUA	Witness	Ruche Mays.

ASSIGNMENT

			NADARAJAN, Sivakumar			
(1-8)	Insert Legal Name(s	of	GUPTA, Amit K			
	Inventor(s)	•	VISWANATHAN, Vaiyapuri			
			GAJANAYAKE, Chandana J			
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(9)	Insert Name of Assi,	gnee	ROLLS-ROYCE plc			
(10)	Insert Address of As	ssignee	62 Buckingham Gate, London, SWIE 6AT, Great Britain			
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Inven	tor				
(Print name)		GAJANAYAKE, Chandana J			-10
Date	<u> 29</u>	AUGUST	2017	Inventor Signature	(SEAL)
Cons	This ul if ou	assignment sho tside the U.S.A	ould preferab . If neither,	ly be signed before; (. then it should be sign	a) a Notary Public if within the U.S.A. (b) a U.S. ed before at least two witnesses who also sign here:
Date	29	AU 6UST	1 2017	Witness	Jan Whan
Date	29	AUGUST	2017	Wilserse	Julio Yars