## 503546358 10/29/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3592985

		NEW ASSIGNMENT	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ					
		Name	Execution Date			
Sivakumar NADARAJAN	1		07/03/2015			
Shantha Dharmasiri Gan	07/06/2015					
Amit Kumar GUPTA	07/03/2015					
Chandana Jayampathi G	07/03/2015					
Viswanathan VAIYAPUR			07/03/2015			
RECEIVING PARTY DA	 TA					
Name: Rolls-Royce Plc						
Street Address:		kingham Gate				
City:	London					
State/Country:	Great Britain					
Postal Code:	SW1E 6AT					
	<u> </u>					
PROPERTY NUMBERS	Total: 1					
Property Type		Number				
Application Number:		14926853				
CORRESPONDENCE D		(703)836-2787				
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i>	e sent to	(703)836-2787 o the e-mail address first; if that is u				
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CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if µ</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER:	e sent to provideo	o the e-mail address first; if that is ud; if that is unsuccessful, it will be s703-836-6400email@oliff.comJAMES A. OLIFFOLIFF PLCP.O. BOX 320850ALEXANDRIA, VIRGINIA 22320-4850168478ANTOINETTE SHARP	ent via US Mail.			

## ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

## ASSIGNMENT

	Insert	(1)	Siyakumar NADARAJAN	(2)	Shamba Dharmasiri Gamini JAYASINGHE		
(1-8)	Legal Name(s)	(3)	Amit Kumer GUPTA	(4)	Chandana Jayampathi GAJANAYAKE		
	of inventor(s)	(5)	Viswanathan VAIYAPURI	(6)			
		(7)		(8)			
		In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to					
(9) Insert Name of Assignee		(9)	(9) ROLLS-ROYCE PLC				
(10)	Insert Address of Assignce	(10)	(10) 62 Buckingham Cate, London, SWIE 6AT, Great Britain				
		the en invent contin	the right, fille and interest for the Uni ion, and in all applications for patent nution, international, confirmation, su	ed States of A including any bstitute and re	birs, successors, assigns and legal representatives, merica as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, dissue application(s), and all Letters Patent, by be granted on the invention known as		
(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	Assessment Method				
		(Ano	rney Dockei No.		)		
	Alternative	(12)	U.S. Application Number				
(12)	Identification for						

 Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignce may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or patents for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignce.

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 representatives.

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.

## (13) Declaration

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 an 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 fulse 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.

in witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s). 03-July -2015 Oste laveator Signature Sivakumar NADARAJ (SEAL) 06-July-2015 Date Inventor Signature Shantha Dharmasiri Gamini JAYASINGHE (SEAL) Base July 03,2016 Amit Kumar GUPTA leventor Signature (SEAL) 05 - July -2015 Chandana Jayampathi GAJANAYAKE Date **isventor** Signature (SEAL) and 03 Juny 20 W Viswanathan VAIVAPURI (SEAL) Date Inventor Signature This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here: 1.MK 03 July 2015 For Sivakumar NADARAJAN (Lily Pach under # ) Date Witness For Sivakumur NADARAJAN (Erwin Leonow)) 0x1x \_03 July 2015 Witness (Vikerarch Sharpeer) Bate 06-5-19 Derry For Shantha Dharmasiri Gafnini JAY ASINGHE Witness ( A. Promoda P. Perera) P. Julia 06-544 2015 Date Witness For Shastha Dharmasiri Gamini JAYASINGHE 03 JUL 2015 For Amit Kuma GUPTA (SAN LINN) Date Witness 陈羚 Chen Ling Date 03 July 2015 For Amit Kumar GUPTA Witness 03 July 2015 For Chandana Jayampathi GAJANAVAKE (Lily Rachmaurah) Date Witness 63 For Chandana Jayampathi GAJANAYAKE (Ercota leared 03 July 2015 Witness Date S3 IUL 2015 <u>( SAN LIND )</u> For Viswanathan VAIYAPURI Date Witness 所弟 For Viswanaihan VAIYAPURI (Chen Ling) Date 03 July 2015 Witness

RECORDED: 10/29/2015

PATENT REEL: 036916 FRAME: 0177