# 504237401 02/21/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
	Υ DATA			
		Name	Execution Date	
Francis BRIDGE			02/14/2017	
Martin A SMITH			02/20/2017	
Bob E WILSON			02/17/2017	
RECEIVING PARTY	DATA			
Name:	ROLLS-I	ROYCE PLC		
Street Address:	62 BUCł	KINGHAM GATE		
City:	LONDO	N		
 State/Country:	GREAT	BRITAIN		
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# ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

## ASSIGNMENT

(1-8)	Insert Legal Name(s Inventor(s)	) of	BRIDGE, Francis SMITH, Martin A WILSON, Bob E		
	In consideration of the sum of	one dolla y acknov	s (\$1.00) and other good and valuable consideration paid to each c ledged, each undersigned agrees to assign, and hereby does assign	of the undersigned, the receipt and 1, transfer and set over to	
(9)	Insert Name of Assig	gnee	ROLLS-ROYCE plc		
(10)	Insert Address of Assignee		62 Buckingham Gate, London, SW1E 6AT, Great Britain		
	for the United States of Ameri provisional, non-provisional, o	ca as def livisiona	and Assignce's heirs, successors, assigns and legal representative ned in 35 U.S.C. §100, in the invention, and in all applications for , continuation, international, confirmation, substitute and reissue a ination certificates that may be granted on the invention known as	patent including any and all pplication(s), and all Letters	
(11)	Insert Identification	(11)	Sensor System	9. a	
	such as Title, Case Number, or Foreign		6073 PDG		
	Application Number	(Atto	mey Docket No.	) *	
(12)	Alternative	(12)	U.S. Application Number		
	Identification for				
	filed applications	filed			
	<ul> <li>for the invention and as the Assignee may of</li> <li>2) Each undersigned ag be declared concernin every way possible in</li> <li>3) Each undersigned ag necessary in connecti- Industrial Property or</li> <li>4) Each undersigned ag confirm by reissue or</li> <li>5) Each undersigned ag other issuing authoriti as Assignee of the en- assigned, and that he agrees that this assign representatives.</li> </ul>	also to leem no grees to grees to obtain grees to on with simila grees to reexan uthoriz- ties to in the into has not ment i	execute all papers necessary in connection with any pplication or patents for the invention and to cooper ing evidence and going forward with such interferent execute all papers and documents and perform any claims or provisions of the International Convention	ch applications and patents y interference which may rate with the Assignee in ice. act which may be on for Protection of ry to obtain, maintain or e Assignee. t and Trademark Office and on(s) to the said Assignee, the entire interest herein a conflict herewith, and ors, assigns and legal	

PATENT REEL: 041320 FRAME: 0518

#### (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 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.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Inventor

BRIDGE, Francis (Print name)

14 (SEAL) **Inventor Signature** Date

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:

Date Witness

Anthunn Widdowson

Date

Witness

MILLINGRON ANDREL

### (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 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.

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In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Inventor

WILSON, Bob E (Print name) 200 2017 Date "Inventor Signature (SEAL)

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:

Date	17" Fab 2017	Witness
Dute	17th Fol 2017	Witness

KULINGTON Ann Walvesson

#### (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.

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In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Inventor

(Print name	e) SMITH, Martin A		Mac II	
Date	20/2/17	Inventor Signature	M. Sricht .	(SEAL)

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:

Witness

20 Feb 17 Date Witness

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**RECORDED: 02/21/2017**