

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3198821

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
David SAVINGS	12/05/2014
David WIMPENNY	12/18/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Rolls-Royce plc
<b>Street Address:</b>	62 Buckingham Gate
<b>City:</b>	London
<b>State/Country:</b>	Great Britain
<b>Postal Code:</b>	SW1E 6AT
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14408837
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)836-2787
<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>	703-836-6400
<b>Email:</b>	email@oliff.com
<b>Correspondent Name:</b>	JAMES A. OLIFF
<b>Address Line 1:</b>	OLIFF PLC
<b>Address Line 2:</b>	P.O. BOX 320850
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22320-4850
<b>ATTORNEY DOCKET NUMBER:</b>	164225
<b>NAME OF SUBMITTER:</b>	LILLIAN U. LE
<b>SIGNATURE:</b>	/Lillian U. Le/
<b>DATE SIGNED:</b>	01/27/2015
<b>Total Attachments: 2</b>	
source=1.27.15 164225 Assignment#page1.tif	
source=1.27.15 164225 Assignment2#page1.tif	

# **ASSIGNMENT**

(1-8)	Insert Name(s) of Inventor(s)	(1) <u>David SAVINGS</u>	(4) <u>David WIMPENNY</u>
		(2) _____	(5) _____
		(3) _____	(6) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9)	Insert Name of Assignee	(9) <u>Rolls-Royce plc</u>
(10)	Insert Address of Assignee	(10) <u>65 Buckingham Gate, London SW1E 6AT, Great Britain</u>

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11) <u>A Method and Apparatus for Making An Object</u>
		(Attorney Docket No. <u>164225</u> )

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12)	Insert Date of Signing of Application	(12) on _____
------	---------------------------------------	---------------

(13)	Alternative Identification for filed applications	(13) U.S. application Serial Number <u>14/408,837</u>
		filed <u>December 19, 2014</u>

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee 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 continuation or division thereof, or any patent or reissue application based thereon, 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 Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States 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 agreements in conflict herewith, and agrees that this assignment is binding on him and his 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.

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

Date	<u>5th DECEMBER 2014</u>	Inventor Signature	<u>David SAVINGS</u>	(SEAL)
------	--------------------------	--------------------	----------------------	--------

Date	_____	Inventor Signature	<u>David WIMPENNY</u>	(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	<u>5th DECEMBER 2014</u>	Witness(es) for for David SAVINGS	<u>Graham Baker</u>
------	--------------------------	-----------------------------------	---------------------

Date	<u>5th DECEMBER 2014</u>	Witness(es) for for David SAVINGS	<u>N. Rollins</u>
------	--------------------------	-----------------------------------	-------------------

Date	_____	Witness(es) for for David WIMPENNY	_____
------	-------	------------------------------------	-------

Date	_____	Witness(es) for for David WIMPENNY	_____
------	-------	------------------------------------	-------

# **ASSIGNMENT**

(1-8)	Insert Name(s) of Inventor(s)	(1) <u>David SAVINGS</u>	(4) <u>David WIMPENNY</u>
		(2) _____	(5) _____
		(3) _____	(6) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9)	Insert Name of Assignee	(9) <u>Rollis-Royce plc</u>
(10)	Insert Address of Assignee	(10) <u>65 Buckingham Gate, London SW1E 6AT, Great Britain</u>

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11) <u>A Method and Apparatus for Making An Object</u>
		(Attorney Docket No. <u>164225</u> )

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12)	Insert Date of Signing of Application	(12) on _____
------	---	---------------

(13)	Alternative Identification for filed applications	(13) U.S. application Serial Number <u>14/408,837</u>
		filed <u>December 19, 2014</u>

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee 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 continuation or division thereof, or any patent or reissue application based thereon, 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 Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States 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 agreements in conflict herewith, and agrees that this assignment is binding on him and his 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.

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

Date	Inventor Signature David SAVINGS	(SEAL)
Date	Inventor Signature David WIMPENNY	(SEAL)

*18<sup>th</sup> December 2014*

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(es) for for David SAVINGS
Date	Witness(es) for for David SAVINGS
Date	Witness(es) for for David WIMPENNY
Date	Witness(es) for for David WIMPENNY

*18<sup>th</sup> December 2014*