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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mark David Taylor	06/01/2005
Neil William Harvey	06/15/2005
Martin George Rose	06/02/2005

RECEIVING PARTY DATA

Name:	Rolls-Royce plc, a British Company of	
Street Address:	65 Buckingham Gate	
City:	London	
State/Country:	UNITED KINGDOM	
Postal Code:	SW1E 6AT	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11176348

CORRESPONDENCE DATA

Fax Number: (202)887-0336

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2022611045

Email: melcher@mdslaw.com
Correspondent Name: Jeffrey S. Melcher
Address Line 1: 2000 M Street NW

Address Line 2: 7th Floor

Address Line 4: Washington, DISTRICT OF COLUMBIA 20036-3307

ATTORNEY DOCKET NUMBER:	84818-3416
NAME OF SUBMITTER:	Jeffrey S. Melcher

Total Attachments: 2

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PATENT REEL: 023360 FRAME: 0113

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PATENT REEL: 023360 FRAME: 0114 Please return signed/recorded to:

USA Patent Appln. Sole or Joint

For Inventions made outside USA executed with or after application

Atty. Dkt. 73155 2547 M# Client Ref.

Manelli, Denison & Selter PLLC

2000 M Street N.W. 7th Floor Washington, D.C. 20036 NONPROVISIONAL

ASSIGNMENT

NONPROVISIONAL

	OF NO	NPROVISIO	NAL APPLIC	ATION	
to the undersi	In consideration of the			***************************************	sideration paid
INSERT NAME(S) OF	(1) Mark David 1	aylor	(4)		
INVENTOR(S)	Neil William I	- Harvey	(5)		
	Martin Georg	e Rose	[] X box if	continued on page 2	
the receipt and sell(s), assign(d sufficiency of which are (s) and transfer(s) unto:	hereby acknowled	ged by the undersign	ed who at the request	of, hereby
	Rolls-Royce plc, a B	ritish Company o	f		
INSERT NAME(S) OF	65 Buckingham Gate)			
NAME(S) OF ASSIGNEE(S) & ADDRESS(ES)	London SW1E 6AT				
	England				
(hereinafter de 35 U.S.C. 100, reissues thered TITLE OF INVENTION	signated "ASSIGNEE") the in the invention and all a of; and all resulting paten TURBINE	ne entire right, title pplications includir ts, known as	and interest for the U ng any and all division	nited States of Americ s, continuations, subs	a as defined in titutes, and
	For which the undersign	ned executed an a	oplication for Letters F	Patent of the United St	ates of America:
<u>NOTE</u>	(A) [] even dat				
(COMPLETE	(B) [] on				
LINES A,B, AND/C	OR C) (C) [X] in U.S. A	pplication No. 11	/176,348	filed8 July	2005
Patents and Tra successors, as application shal successors, as title in and to the NOTE → → insert hereon ar	AND the undersigned heademarks to issue said Lasigns and legal represent AND the undersigned he signs and legal represent e invention hereby transforthe undersigned hereby by further identification necessions.	ereby authorize(s) etters Patent to the atives; the undersi f of said ASSIGNE ereby agree(s) to te atives, deemed eserred. y authorize(s) Manacessary or desirab	and request(s) the Ure said ASSIGNEE, for gned agree(s) that the E; estify and execute an sential by ASSIGNEE elli, Denison & Selter ole for recordation of the said ASSIGNEE for recordation of the said ASSIGNEE.	nited States Commissi its interest as ASSIGI e attorney of record in y papers for ASSIGNE to ASSIGNEE'S full p PLLC, of the above ac his document.	oner of NEE, its said E, its protection and ddress to
	INVENTOR(S)	DATE SIG	<u>SNED</u>	WITNESSES	
1) Mark D	h D Turk	1st Ju	UE 2005	K.J. Plackie	
2) Veti Name: Neil W	*	15 70	<u>St Yoo</u> S	1 Ledhon.	н
3) Name: Martin	G Rose				

IF ADDITIONAL INVENTORS, check box [] and continue on page 2.

PATENT REEL: 023360 FRAME: 0115 Please return signed/recorded to:

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Manelli. Denison & Selter PLLC

2000 M Street N.W. 7th Floor

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to the undersig	In consideration of the sum gned, to wit:	of Ten Dollars (\$10.00) ar	nd other good and valua	ble consideration paid
INSERT NAME(S) OF	Mark David Taylo	or i	4)	
INVENTOR(S)	Neil William Harv	⁄ey	5)	
	Martin George Ro	ose	X box if continued on page 2	
the receipt and sell(s), assign(s	sufficiency of which are here s) and transfer(s) unto:	by acknowledged by the u	ndersigned who at the r	equest of, hereby
	Rolls-Royce plc, a British	Company of		
INSERT NAME(S) OF	65 Buckingham Gate			
NAME(S) OF ASSIGNEE(S) & ADDRESS(ES)	London			
	SW1E 6AT England			
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35 U.S.C. 100, reissues thereo	signated "ASSIGNEE") the en in the invention and all applica f; and all resulting patents, kn	tire right, title and interest ations including any and al own as	for the United States of I divisions, continuation	America as defined in s, substitutes, and
TITLE OF INVENTION	TURBINE			
	For which the undersigned ex	xecuted an application for	Letters Patent of the Ur	nited States of America:
<u>NOTE</u>	(A) [] even date her			
COMPLETE	(B) [] on			
LINES A,B, AND/O	RC) (C) [X] in U.S. Applica	ation No. <u>11 /176,3</u> 4	18 filed 8 J1	ıly 2005
Patents and Tra successors, ass application shall	AND the undersigned hereby demarks to issue said Letters igns and legal representatives hereinafter act on behalf of sAND the undersigned hereby igns and legal representatives invention hereby transferred.	authorize(s) and request(s) Patent to the said ASSIG s; the undersigned agree(s) aid ASSIGNEE;	s) the United States Co NEE, for its interest as A s) that the attorney of re	mmissioner of ASSIGNEE, its cord in said
successors, ass itle in and to the	igns and legal representatives invention hereby transferred.	agree(s) to testify and exe s, deemed essential by AS	ecute any papers for AS SIGNEE to ASSIGNEE	SIGNEE, its 'S full protection and
nsert hereon an	The undersigned hereby auth y further identification necess	orize(s) Manelli, Denison ary or desirable for record	& Selter PLLC, of the at ation of this document.	pove address to
	INVENTOR(S)	DATE SIGNED	WITNESSES	
) lame: Mark D	laylor			
)	rayior			
lame: Neil W F	Jarvey ,	2/1/20		
) ///ŒU [©] lame: Martin G	Mu C LCro	2/0/05	11.Bx	2-2-3-2
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IF ADDITIONAL INVENTORS, check box [] and continue on page 2.

RECORDED: 10/13/2009

PATENT REEL: 023360 FRAME: 0116