505620035 08/13/2019

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Matthew MOXON	11/03/2017

#### **RECEIVING PARTY DATA**

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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	16142362		

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ATTORNEY DOCKET NUMBER:	186998
NAME OF SUBMITTER:	JOVITA RUDD
SIGNATURE:	/Jovita Rudd/
DATE SIGNED:	08/13/2019

### **Total Attachments: 2**

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PATENT 505620035 REEL: 050042 FRAME: 0021

# 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) of Inventor(s)		MOXON, Matthew			
			ir (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and dedged, each undersigned agrees to assign, and hereby does assign, transfer and set over to			
(9)			ROLLS-ROYCE plc 62 Buckingham Gate, London, SW1E 6AT, Great Britain			
(10)						
(11)	for the United States of America as defined provisional, non-provisional, divisional, con Patent, extensions, reissues and reexamination (11) The Insert Identification (11) The Identification (11) The Insert Identification (11) The Identification (		and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest ned 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 ination certificates that may be granted on the invention known as  Thermal Management System			
	such as Title, Case Number, or Foreign Application Number		6499 JNR	***		
		(Attor	ney Docket No. 186998	 }		
(12)	Alternative Identification for	(12)	U.S. Application Number 16/142,362			
	filed applications	filed	September 26, 2018			

- 1) 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 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 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 Assignee.
- 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 Assignee's agent 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.

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#### (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.

Invent	or						
(Print	usme)	MOXON	i, Matthew				
Date	3	November	2017	Inventor Signature	ma	(SEA	L)
Const						within the U.S.A. (b) a U.S. o witnesses who also sign here	e:
Date	3	NOJEMBER	2017	Witness	Jan-	About Morta	ĪN
Date	3	NOVEMBER	2017	Witness	I William	CARL ANDREWS	ر بندی

PATENT REEL: 050042 FRAME: 0023

RECORDED: 08/13/2019