

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
	MARK J. BLACKWELDER	10/27/2014	
	RIGOBERTO J. RODRIGUEZ	10/22/2014	
	STEVE T. GAGNE	10/22/2014	
RECEIVING PARTY DATA			
Name:	ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC.		
Street Address:	2059 SOUTH TIBBS AVENUE		
City:	INDIANAPOLIS		
State/Country:	INDIANA		
Postal Code:	46241		
PROPERTY NUMBERS Total: 1			
	Property Type	Number	
	Application Number:	14573598	
CORRESPONDENCE DATA			
Fax Number:			
<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>			
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Correspondent Name:	FISHMAN STEWART PLLC		
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Address Line 4:	BLOOMFIELD HILLS, MICHIGAN 48304		
ATTORNEY DOCKET NUMBER:	67382-0259/LWA10859US		
NAME OF SUBMITTER:	MICHAEL B. STEWART		
SIGNATURE:	/MICHAEL B. STEWART/		
DATE SIGNED:	11/17/2017		
Total Attachments: 6			
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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 17th day of October, 2014, by Mark J. Blackwelder; Rigoberto J. Rodriguez; and Steve T. Gagne (hereinafter referred to as Assignors), residing at 5705 Yorktown Trace, Plainfield, Indiana 46168; 6172 Yellow Birch Court, Avon, Indiana 46123; and 6476 Apple Cider Way, Avon, IN 46123, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in THERMAL MANAGEMENT OF ENERGY STORAGE, set forth in a Provisional application for Letters Patent of the United States, filed on December 23, 2013 as U.S. Application No. 61/920,404; and

WHEREAS, Rolls-Royce North American Technologies, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 2059 South Tibbs Avenue, Indianapolis, Indiana 46241 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire worldwide right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

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AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Provisional application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which 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:

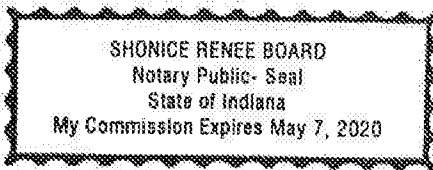
RADER, FISHMAN & GRAUER PLLC

All practitioners at Customer Number 126260

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Mark J. Blackwelder
Mark J. Blackwelder

Date: October 27, 2014



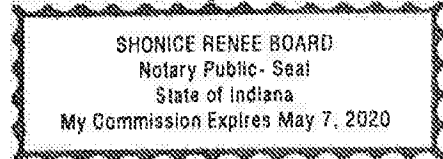
United States of America)
State of Indiana) ss.:
County of Hendricks)

On this 27 day of October, 2014, before me
personally came Mark J. Blackwelder, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

[Signature]
Notary Public

Rigoberto J. Rodriguez
Rigoberto J. Rodriguez

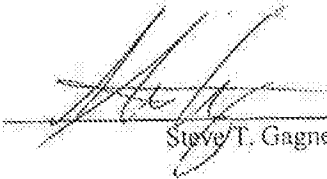
Date: October 22, 2014



United States of America)
State of Indiana) ss.:
County of Marion)

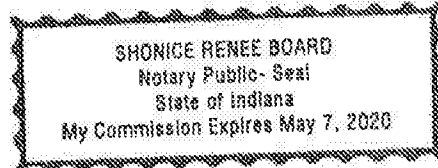
On this 22 day of October, 2014, before me
personally came Rigoberto J. Rodriguez, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

[Signature]
Notary Public

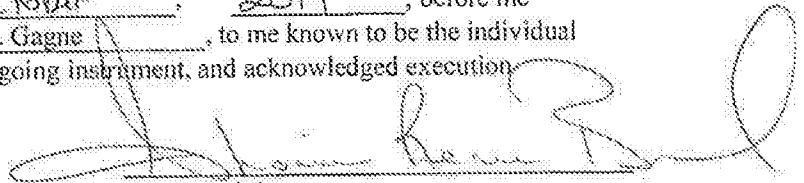

Steve T. Gagne

Date: Oct 22, 2014

United States of America)
State of Indiana) ss.:
County of Marion)



On this 24th day of October, 2014, before me
personally came Steve T. Gagne, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.


Notary Public

97182-01821-1200-10898