

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4534930

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARK R. JOLLY	07/31/2017
RUSSELL ALTIERI	07/31/2017
ASKARI BADRE-ALAM	08/03/2017
DOUGLAS E. IVERS	02/10/2017
DOUG A. SWANSON	07/31/2017
DANIEL MELLINGER	07/25/2017
ANDREW D. MEYERS	03/01/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LORD CORPORATION
<b>Street Address:</b>	111 LORD DRIVE
<b>City:</b>	CARY
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27511
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14728688
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)469-5226
<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>	9193422054
<b>Email:</b>	lakeisha_preddie@lord.com
<b>Correspondent Name:</b>	ATTN: IP LEGAL DEPT.
<b>Address Line 1:</b>	111 LORD DRIVE
<b>Address Line 4:</b>	CARY, NORTH CAROLINA 27511
<b>ATTORNEY DOCKET NUMBER:</b>	IR-3681
<b>NAME OF SUBMITTER:</b>	RICHARD G. MILLER
<b>SIGNATURE:</b>	/Richard G. Miller, Reg. No. 59,447/
<b>DATE SIGNED:</b>	08/03/2017

**Total Attachments: 23**

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**DECLARATION AND ASSIGNMENT FOR PATENT APPLICATIONS**

WHEREAS, **Mark R. Jolly, Russell E. Altieri, Askari Badre-Alam, Douglas E. Ivers, Doug A. Swanson, Daniel Mellinger and Andrew D. Meyers**, hereinafter referred to as "ASSIGNORS", have invented and are the owners of an invention entitled "HELICOPTER VIBRATION CONTROL SYSTEM AND CIRCULAR FORCE GENERATION SYSTEMS FOR CANCELING VIBRATIONS," said invention being fully set forth and described in the United States Application Number or PCT International Application Number 14/728,688, filed on January 2, 2015, which has been prepared in connection with said invention;

WHEREAS, LORD CORPORATION, a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, and engaged in business at 111 Lord Drive, Cary, North Carolina 27511, hereinafter referred to as ASSIGNEE, is desirous of acquiring said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefor;

NOW THEREFORE, be it known that for valuable consideration, we have sold and by these presents do hereby sell, assign, transfer and convey unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention and application, and in and to any and all provisional applications, non-provisional applications, continuations, continuations-in-part, or divisions thereof, and in and to all Letters Patent of the United States and all foreign countries or reissues and reexaminations thereof which may be granted thereof or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby covenant and agree that, at the same time of execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment. The above identified application was made or was authorized to be made by the person executing this oath/declaration. We believe

that we are the original inventors or an original joint inventor of a claimed invention in the application. We have reviewed and understand the contents of the above referenced application and we are aware of the duty of disclosure under Rule 1.56. We hereby acknowledge that any willful false statements made in this declaration are punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both."

We further covenant and agree and bind our heirs, legal representatives and assigns, promptly to communicate to said assignee and its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for said invention in all countries and to vest in the assignee complete title to said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Mark R. Jolly  
Mark R. Jolly

7/31/2017  
Date

Notarial Certificate

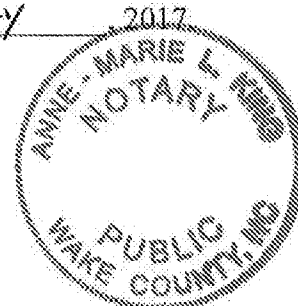
State of NC :  
County of WAKE : ss.

I, ANNE-MARIE L. KING, a Notary Public for WAKE County, NC, do hereby certify that **Mark R. Jolly** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 31 day of JULY, 2017

Anne-Marie L. King  
Notary Public

My commission expires 27 FEBRUARY, 2018



Signatures Continued on Following Page...

Russell Altieri  
Russell Altieri

7/31/17  
Date

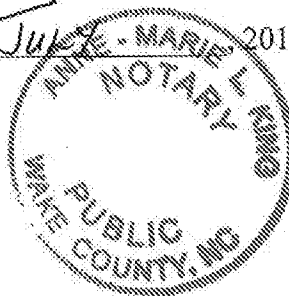
Notarial Certificate

State of NC :  
County of WAKE : ss.

I, ANNE-MARIE L KING, a Notary Public for WAKE County, NC, do hereby certify that **Russell Altieri** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 31 day of JULY, 2017.

Anne-Marie L King  
Notary Public



My commission expires 27 FEBRUARY 2018

Askari Badre-Alam  
Askari Badre-Alam

8/3/2017  
Date

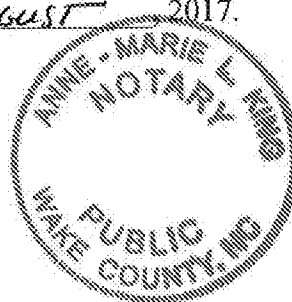
Notarial Certificate

State of NC :  
County of WAKE : ss.

I, ANNE-MARIE L KING, a Notary Public for WAKE County, NC, do hereby certify that **Askari Badre-Alam** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 3 day of August, 2017.

Anne-Marie L King  
Notary Public



My commission expires 27 FEBRUARY 2018

Signatures Continued on Following Page...

\_\_\_\_\_  
Douglas E. Ivers

\_\_\_\_\_  
Date

**Notarial Certificate**

State of \_\_\_\_\_ :  
: ss.  
County of \_\_\_\_\_ :

I, \_\_\_\_\_, a Notary Public for \_\_\_\_\_ County, \_\_\_\_\_, do hereby certify that **Douglas E. Ivers** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the \_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_.

*Doug A. Swanson*  
Doug A. Swanson

July 31, 2017  
Date

**Notarial Certificate**

State of NC :  
: ss.  
County of WAKE :

I, Anne-Marie L King, a Notary Public for WAKE County, NC, do hereby certify that **Doug A. Swanson** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 31 day of JULY, 2017.

*Anne-Marie L King*  
Notary Public

My commission expires 27 FEBRUARY 2018



Signatures Continued on Following Page...



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WHEREAS, LORD CORPORATION, a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, and engaged in business at 111 Lord Drive, Cary, North Carolina 27511, hereinafter referred to as ASSIGNEE, is desirous of acquiring said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefor;

NOW THEREFORE, be it known that for valuable consideration, we have sold and by these presents do hereby sell, assign, transfer and convey unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention and application, and in and to any and all provisional applications, non-provisional applications, continuations, continuations-in-part, or divisions thereof, and in and to all Letters Patent of the United States and all foreign countries or reissues and reexaminations thereof which may be granted thereof or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby covenant and agree that, at the same time of execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment. The above identified application was made or was authorized to be made by the person executing this oath/declaration. We believe







Douglas E. Ivers  
Douglas E. Ivers

2/10/17  
Date

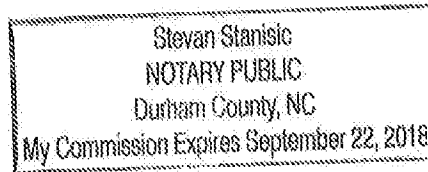
**Notarial Certificate**

State of NORTH CAROLINA :  
: ss.  
County of WAKE :

I, STEVEN STANISIC, a Notary Public for WAKE County, NORTH CAROLINA, do hereby certify that **Douglas E. Ivers** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 10<sup>th</sup> day of FEBRUARY, 2017.

Stevan Stanisic  
Notary Public



My commission expires 09-22-18.

\_\_\_\_\_  
Doug A. Swanson

\_\_\_\_\_  
Date

**Notarial Certificate**

State of \_\_\_\_\_ :  
: ss.  
County of \_\_\_\_\_ :

I, \_\_\_\_\_, a Notary Public for \_\_\_\_\_ County, \_\_\_\_\_, do hereby certify that **Doug A. Swanson** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_.

*Signatures Continued on Following Page...*



**DECLARATION AND ASSIGNMENT FOR PATENT APPLICATIONS**

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*Signatures Continued on Following Page...*





*Signatures Continued on Following Page...*

*Daniel Mellinger*  
Daniel Mellinger

7-25-17  
Date

WITNESS 1

WITNESS 2

*Travis Van Schoyck*  
Sign  
Travis Van Schoyck  
Printed Name

*M T*  
Sign  
Matthew Turpin  
Printed Name

Dated: 7-25-17

Dated: 7-25-2017



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