

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4247039

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JESSE S. JUR	05/31/2016
RUSSELL E. GORGA	06/09/2016
MACON ADAMS	06/06/2016
SHANNYN A. HOLDER	05/17/2016
HILARY WALKER	06/14/2016
CARYN A. SIGGINS	06/07/2016
CARSON BINNS	05/22/2016
AUSTIN W. TEAGUE	06/09/2016
ANDREW NESBITT	05/13/2016
ALBENA IVANISEVIC	06/27/2016
JON RUST	05/11/2016
JAMES A. MURDOCK	06/09/2016
CARLY M. BOHNENBLUSCH	07/07/2016
ANDREW M. THOMAS II	07/03/2016
BENJAMIN ANTHONY	07/10/2016

RECEIVING PARTY DATA

Name:	NORTH CAROLINA STATE UNIVERSITY
Street Address:	OFFICE OF TECHNOLOGY TRANSFER
Internal Address:	1021 MAIN CAMPUS DRIVE, 2ND FLOOR
City:	RALEIGH
State/Country:	NORTH CAROLINA
Postal Code:	27606

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15130134

CORRESPONDENCE DATA

Fax Number:

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.

PATENT

Phone: 7709339500
Email: elise.petersen@thomashorstemeyer.com
Correspondent Name: CARIN R. MILLER
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Address Line 2: SUITE 1500
Address Line 4: ATLANTA, GEORGIA 30339

ATTORNEY DOCKET NUMBER: 221404-1030

NAME OF SUBMITTER: CARIN R. MILLER

SIGNATURE: /Carin R. Miller/

DATE SIGNED: 01/27/2017

Total Attachments: 18

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**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

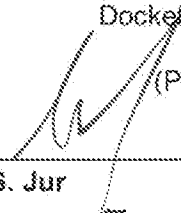
<u>Name</u>	<u>Address</u>
Jesse S. Jur	804 N. Bloodworth Street Raleigh, NC 27604
Russell E. Gorga	226 Glascock Street Raleigh, NC 27604
Macon Adams	860 Plantation Road Apt. 307 Blacksburg, VA 24060
Shannyn A. Holder	4301 Beechwood Court Belmont, NC 28012
Hilary Walker	PO Box 842 Kernersville, NC 27285
Caryn A. Siggins	104 Gray Mares Lane Cary, NC 27518
Carson Binns	430 31 st Avenue Court NE Hickory, NC 28601
Austin W. Teague	206 S. Fort Fisher Blvd Kure Beach, NC 28449
Andrew Nesbitt	6526 Hunt Road Pleasant Garden, NC 27313
Albena Ivanisevic	417 Ridgecrest Drive Chapel Hill, NC 27514
Jon Rust	115 Wilander Drive Cary, NC 27511
James A. Murdock	5225 Wildmarsh Drive Raleigh, NC 27613

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.


ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.



Jesse S. Jur

Date: May 31, 2016



Witness - Jodi Falk

Date: May 31, 2016



Witness - Mollie Khanna

Date: May 31, 2016

Russell E. Gorga
Russell E. Gorga

Date: JUNE 9, 2016

Date: June 9, 2016

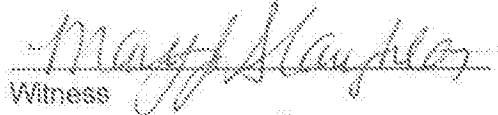
Date: June 9, 2016

Joel Falk
Witness Joel Falk
Laura Kroeger
Witness Laura Kroeger



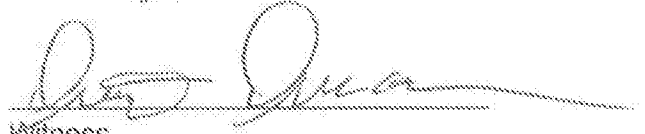
Macon Adams

Date: 6/6/16



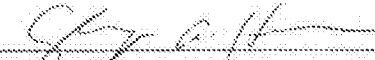
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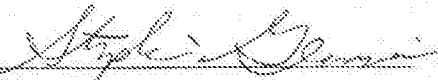


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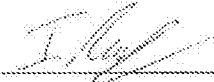
Date: 6-6-16


Shannyn A. Holder

Date: 5/17/16


Witness

Date: 5/17/16


Witness

Date: 5/17/16

Docket No. 221404-1030

(Patent Assignment)

Hilary Walker
Hilary Walker

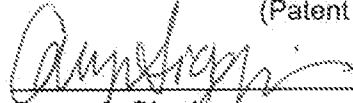
Date: 6/14/16

Witness James Cox

Date: 6/14/16

Witness [Signature]

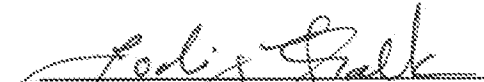
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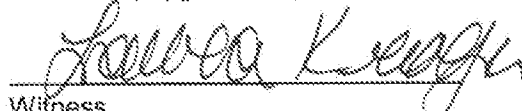

Caryn A. Siggins

Date: 6/7/2016

Date: 6-7-2016

Date: 6/7/16


Witness Jodi S. Falk


Witness

Laura Kroeger

Carson Biann
Carson Biann

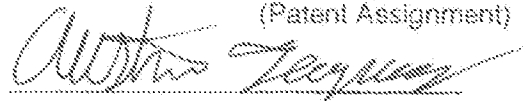
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Carson Biann
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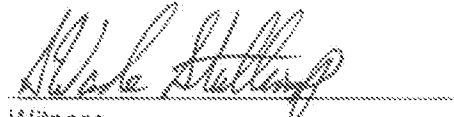
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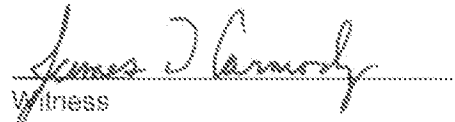
Date: 5/22/16


Austin W. Teague

Date: 06/09/2016


Witness

Date: 06/09/2016


Witness

Date: 6/09/2016

Docket No. 221404-1030

(Patent Assignment)

Andrew Nesbitt
Andrew Nesbitt


Date: 5/13/16

Witness Angela Nesbitt

Date: 5/13/16


Witness James Nesbitt

Date: 5/13/16



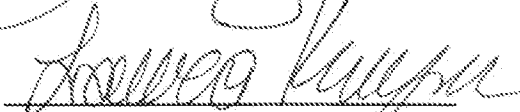
Albena Ivanisevic

Date: June 27, 2016



Witness - Jodi Falk

Date: June 27, 2016




Witness Laura Kager

Date: June 27, 2016



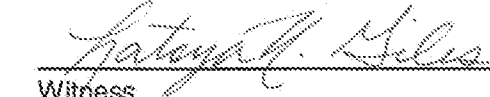
Jon Rust

Date: 5/11/16



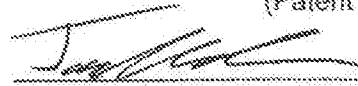
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Witness

Date: 5-11-16

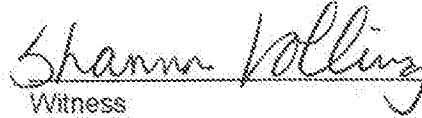


James A. Murdock

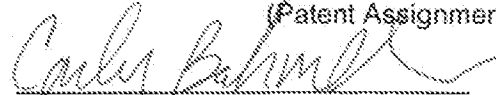
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Date: 6/9/16

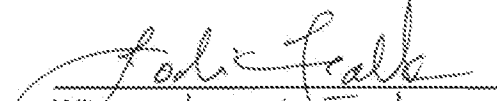


Carly M. Bohnenblusch

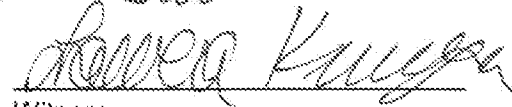
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Date: 7-7-2016

Date: 7-7-2016



Witness Jodi Falk



Witness Laura Kroeger

(Patent Assignment)

Andrew M. Thomas, II

Andrew M. Thomas, II

Date: 7/3/16

Date: 7/3/16

Date: 7/3/16

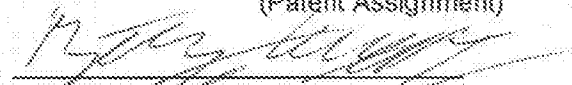
Andrew W. Thomas

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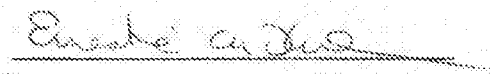
Rebecca P. Thomas

Witness

(Patent Assignment)


Benjamin Anthony

Date: 7/10/16


Witness

Date: 7/10/16


Witness

Date: 7/10/16