

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4542516

| | |
|------------------------------|----------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| NA LI | 05/31/2013 |
| CARTER SEBASTIAN HAINES | 07/18/2013 |
| MARCIO DIAS LIMA | 05/17/2013 |
| SHAOLI D. FANG | 06/10/2013 |
| MONICA JUNG DE ANDRADE | 05/17/2013 |
| JIYOUNG OH | 05/30/2013 |
| MICHAEL E. KOZLOV | 05/30/2013 |
| FATMA GOKTEPE | 05/15/2013 |
| OZER GOKTEPE | 05/15/2013 |
| DONGSEOK SUH | 05/16/2013 |
| RAY H BAUGHMAN | 06/12/2013 |

RECEIVING PARTY DATA

| | |
|------------------------|--|
| Name: | THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM |
| Street Address: | 201 WEST 7TH STREET |
| City: | AUSTIN |
| State/Country: | TEXAS |
| Postal Code: | 78701 |

PROPERTY NUMBERS Total: 2

| Property Type | Number |
|----------------------------|----------|
| Application Number: | 14418811 |
| Application Number: | 14610905 |

CORRESPONDENCE DATA

Fax Number: (844)670-6009

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.

Phone: 512.770.4222

Email: wkellar@dickinsonwright.com

Correspondent Name: ROSS SPENCER GARSSON

Address Line 1: 303 COLORADO STREET, SUITE 2050

Address Line 2: DICKINSON WRIGHT PLLC

PATENT

| | |
|---|---------------------|
| Address Line 4: | AUSTIN, TEXAS 78701 |
| ATTORNEY DOCKET NUMBER: | 072169-11003/11010 |
| NAME OF SUBMITTER: | WANDA KELLAR |
| SIGNATURE: | /Wanda Kellar/ |
| DATE SIGNED: | 08/09/2017 |
| Total Attachments: 12 source=11001-Executed Assignment-11003-11010#page1.tif source=11001-Executed Assignment-11003-11010#page2.tif source=11001-Executed Assignment-11003-11010#page3.tif source=11001-Executed Assignment-11003-11010#page4.tif source=11001-Executed Assignment-11003-11010#page5.tif source=11001-Executed Assignment-11003-11010#page6.tif source=11001-Executed Assignment-11003-11010#page7.tif source=11001-Executed Assignment-11003-11010#page8.tif source=11001-Executed Assignment-11003-11010#page9.tif source=11001-Executed Assignment-11003-11010#page10.tif source=11001-Executed Assignment-11003-11010#page11.tif source=11001-Executed Assignment-11003-11010#page12.tif | |

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to **The Board of Regents, The University of Texas System**, having a place of business at 201 West 7th Street, Austin, Texas 78701, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions, subject matter and improvements disclosed in the application for United States Letters Patent, Serial No. 61/784,126 which has been filed on March 14, 2013 and is entitled "**COILED AND NON-COILED TWISTED NANOFIBER YARN AND POLYMER FIBER TORSIONAL AND TENSILE ACTUATORS**" (the "Invention"), such application and any and all divisional, continuing, substitute, renewal, reissue and other applications for patent which have been or shall be filed in the United States and all foreign countries based on the Invention; all original, reissued and reexamined patents which have been or shall be issued in the United States and all foreign countries based on the Invention; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

I/We grant Assignee the power to correct clerical errors on this Assignment and to revise this Assignment to include additional information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.

[Signature]
Inventor's Signature

05/31/2013
DATE

NA LI
Inventor's Printed Name

THE STATE OF TEXAS §
Collin §
COUNTY OF United States §

On this 31 day of May, 2013, before me personally came the above named NA LI who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



[Signature]
NOTARY PUBLIC, STATE OF TEXAS
My Commission Expires: 2/20/17

Carter H
Inventor's Signature

18 July 2013
DATE

CARTER SEBASTIAN HAINES
Inventor's Printed Name

THE STATE OF TEXAS §
 §
COUNTY OF Dallas §

On this 18th day of July, 2013, before me personally came the above named **CARTER SEBASTIAN HAINES** who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



Linda L Heard
NOTARY PUBLIC, STATE OF TEXAS

My Commission Expires: 06-30-2017

Marcio P. Lima
Inventor's Signature

5/17/2013
DATE

MARCIO DIAS LIMA
Inventor's Printed Name

THE STATE OF TEXAS §
 §
COUNTY OF Collin §

On this 17th day of May, 2013, before me personally came the above named **MARCIO DIAS LIMA** who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



[Signature]
NOTARY PUBLIC, STATE OF TEXAS

My Commission Expires: 2/20/17

Shao Li Fang
Inventor's Signature

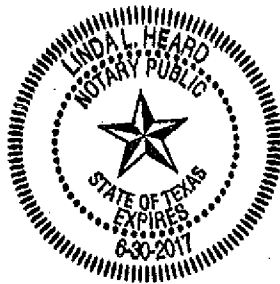
06/10/2013
DATE

Shaoli Fang
Inventor's Printed Name

THE STATE OF TEXAS §
 §
COUNTY OF DALLAS §

On this 10th day of June, 2013, before me personally came the above named **SHAOLI D. FANG** who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Linda L. Heard
NOTARY PUBLIC, STATE OF TEXAS



My Commission Expires: 06-30-2017

Monica Jung de Andrade
Inventor's Signature

5/17/2013
DATE

MONICA JUNG DE ANDRADE
Inventor's Printed Name

THE STATE OF TEXAS §
 §
COUNTY OF Collin §

On this 17 day of May, 2013, before me personally came the above named **MONICA JUNG DE ANDRADE** who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



[Signature]
NOTARY PUBLIC, STATE OF TEXAS
My Commission Expires: 2/20/17



Inventor's Signature

May 30 2013

DATE

JIYOUNG OH

Inventor's Printed Name




THE STATE OF TEXAS

§
§
§

COUNTY OF DALLAS

On this 30th day of May, 2013, before me personally came the above named **JIYOUNG OH** who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



NOTARY PUBLIC, STATE OF TEXAS

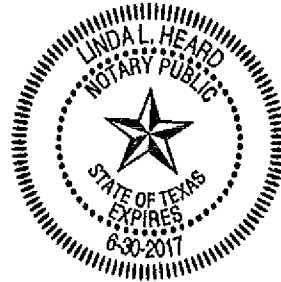
My Commission Expires: 6-30-2017

Mikhail Kozlov
Inventor's Signature

5/30/2013
DATE

MIKHAIL E. KOZLOV
Inventor's Printed Name

THE STATE OF TEXAS §
 §
COUNTY OF DALLAS §



On this 30th day of May, 2013, before me personally came the above named **MIKHAIL E. KOZLOV** who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Linda L. Heard
NOTARY PUBLIC, STATE OF TEXAS

My Commission Expires: 06-30-2017

F. Goktepe

Inventor's Signature

15 May, 2013

DATE

FATMA GOKTEPE

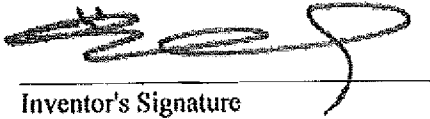
Inventor's Printed Name

THE STATE OF _____ §
 §
 §
_____ OF _____ §

On this _____ day of _____, 2013, before me personally came the above named **FATMA GOKTEPE** who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC, _____ OF _____

My Commission Expires: _____


Inventor's Signature

15 May 2013
DATE

OZER GOKTEPE
Inventor's Printed Name

THE _____ OF _____
_____ OF _____
§
§
§

On this _____ day of _____, 2013, before me personally came the above named **OZER GOKTEPE** who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC, _____ OF _____

My Commission Expires: _____

Dong Seok Suh
Inventor's Signature

05/16/2013
DATE

DONGSEOK SUH
Inventor's Printed Name

THE STATE OF TEXAS §
 §
COUNTY OF Collin §

On this 16 day of May, 2013, before me personally came the above named **DONGSEOK SUH** who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



[Signature]
NOTARY PUBLIC, STATE OF TEXAS
My Commission Expires: 2/20/17

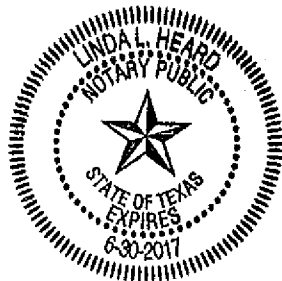
R H Baughman
Inventor's Signature

6/12/13
DATE

Ray Baughman
Inventor's Printed Name

THE STATE OF TEXAS §
 §
COUNTY OF DALLAS §

On this 12th day of JUNE, 2013, before me personally came the above named **RAY H. BAUGHMAN** who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



Linda L Heard
NOTARY PUBLIC, STATE OF TEXAS

My Commission Expires: 06-30-2017