PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| Ryan B. Wicker | 05/08/2013 |
| Francisco Medina | 05/08/2013 |
| Eric MacDonald | 05/08/2013 |
| Danny W. Muse | 05/08/2013 |
| David Espalin | 05/08/2013 |

RECEIVING PARTY DATA

| Name: | 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: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13829921 |

CORRESPONDENCE DATA

Fax Number: 2148660010

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Correspondent Name: Cynthia Minchillo
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| ATTORNEY DOCKET NUMBER: | UTEP:1028 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | Cynthia Minchillo |
| | PATENT |

502343479 REEL: 030394 FRAME: 0792

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| Signature: | /Cynthia Minchillo/ |
|---|---------------------|
| Date: | 05/10/2013 |
| Total Attachments: 3 source=UTEP_1028_Assignment_050813#page1.tif source=UTEP_1028_Assignment_050813#page2.tif source=UTEP_1028_Assignment_050813#page3.tif | |

PATENT REEL: 030394 FRAME: 0793

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 Board of Regents, The University of Texas System (the "Assignee"), 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. 13/829,921, which has been filed on 03/14/2013 and is entitled "Methods and Systems for Connecting Inter-Layer Conductors and Components in 3D Structures, Structural Components, and Structural Electronic Electromagnetic and Electromechanical Components/Devices," (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.

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

Inventor's Signature DATE

Ryan B. Wicker
Inventor's Printed Name

STATE OF TEXAS) SS

On this 8th day of 1013, before me personally came the above named Ryan B. Wicker 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.

NORBERT GARCIA MY COMMISSION EXPIRES October 21, 2015

NOTARY PUBLIC

My Commission Expires: 10

10/21/2015

| 12/1/4 | ned my name on the day and year set forth below. |
|---|--|
| Inventor's Signature | <u> </u> |
| , | |
| Francisco Medina Inventor's Printed Name | |
| STATE OF TEXAS | |
| COUNTY OF EL (CO) SS On this Sh day of May | |
| On this 8th day of Man | spown by me or proved to me on the basis of satisfactory |
| named Francisco Medina who is personally k | another by the or protect to the off the buggs of substactory |
| | cuted the foregoing assignment, and who acknowledged to own free will for the use and purposes therein set forth. |
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| AND PREDT CAPCIA | NOTARY PUBLIC |
| NORBERT GARCIA MY COMMISSION EXPIRES | My Commission Expires: |
| October 21, 2015 | , |
| IN WITNESS WHEREOF, I have hereunto sign Inventor's Signature | ned my name on the day and year set forth below. S S C O DATE |
| Eric MacDonald | |
| Inventor's Printed Name | |
| STATE OF TEXPS) | |
| STATE OF TEXAS COUNTY OF ECPRISO) SS | |
| On thisSth day of May | D1/3 |
| on thisday of | before me personally came the above nown by me or proved to me on the basis of satisfactory |
| evidence to be the same individual who exec | uted the foregoing assignment, and who acknowledged to |
| me that he/she executed the same of his/her of | wn free will for the use and purposes therein set forth. |
| | NOTARY OUR IS |
| ANDREST ANDRE | NOTARY PUBLIC 10/21/2015 My Commission Expires: |
| NORBERT GARCIA MY COMMISSION EXPIRES October 21, 2015 | - |

| IN WITNESS WHEREOF, I have hereunto signe | d my name on the daý and year set forth below. |
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| 1081 | |
| Alsh | 5/8/2013 |
| Inventor's Signature | DATE / |
| Danny W. Muse | |
| Inventor's Printed Name | |
| STATE OF TEXAS | |
| On this day of who is personally kno | |
| aty M | 7012 |
| On this day of home who is not coully know | with by me or proved to me on the basis of satisfactory |
| evidence to be the same individual who execut | ed the foregoing assignment, and who acknowledged to |
| me that he/she executed the same of his/her ow | n free will for the use and purposes therein set forth. |
| The state of the s | 1 Inthis |
| NORBERT GARCIA | NOTARY PUBLIC 10/2/2015 |
| MY COMMISSION EXPIRES October 21, 2015 | My Commission Expires: |
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| IN WITNESS WHEREOF, I have hereunto signe | d my name on the day and year set forth below |
| IN WITHESS WHEREOF, I have hereunto signe | d my hame on the day and year sectorin below. |
| Tool Fell | 5-8-13 |
| Inventor's Signature | DATE |
| David Espaiin | |
| Inventor's Printed Name | |
| STATE OF TENTS) | |
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| COUNTY OF SC (FOSO) SS | . ** |
| On this 8 day of | n by me or proved to me on the basis of satisfactory |
| named <u>David Espalin</u> who is personally know | n by me or proved to me on the basis of satisfactory ed the foregoing assignment, and who acknowledged to |
| | ed the foregoing assignment, and who acknowledged to n free will for the use and purposes therein set forth. |
| | Buth |
| NORBERT GARCIA | NOTARY PUBLIC 10 /2d / 2015 |
| LIV COMMISSION EXPIRES | My Commission Expires: 10/4/2015 |
| October 21, 2016 | |