PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3546446

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------|----------------|
| FARROKH AYAZI | 09/22/2015 |
| ROOZBEH TABRIZIAN | 09/16/2015 |
| MOJTABA HODJAT-SHAMAMI | 09/22/2015 |
| ARASHK NOROUZPOUR-SHIRAZI | 09/22/2015 |

RECEIVING PARTY DATA

| Name: | GEORGIA TECH RESEARCH CORPORATION | |
|-----------------|-----------------------------------|--|
| Street Address: | 505 TENTH STREET, N.W. | |
| City: | ATLANTA | |
| State/Country: | GEORGIA | |
| Postal Code: | 30332-0415 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14739721 |

CORRESPONDENCE DATA

Fax Number: (404)962-6881

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.

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Address Line 2: **SUITE 5200**

Address Line 4: ATLANTA, GEORGIA 30308

| ATTORNEY DOCKET NUMBER: | GTRC6375 |
|-------------------------|----------------------------------|
| NAME OF SUBMITTER: | RYAN A. SCHNEIDER |
| SIGNATURE: | /Ryan A. Schneider, Reg. #45083/ |
| DATE SIGNED: | 09/29/2015 |

Total Attachments: 5

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PATENT REEL: 036676 FRAME: 0683 503499821

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> PATENT REEL: 036676 FRAME: 0684

ASSIGNMENT

WHEREAS, We, Farrokh Ayazi, Roozbeh Tabrizian, Mojtaba Hodjat-Shamami, and Arashk Norouzpour-Shirazi (collectively referred to as "Assignor"), have invented certain improvements in RESONANT GYROSCOPES AND METHODS OF MAKING AND USING THE SAME, for which a U.S. Provisional Patent Application was filed June 13, 2014 and provided Application No. 62/011,725, and for which a Non-Provisional Utility Application was filed June 15, 2015, and assigned Application No. 14/739,721 and for which future applications may be filed, (collectively referred to as the "Application"), and whereas

GEORGIA TECH RESEARCH CORPORATION 505 Tenth Street, N.W. Atlanta, Georgia 30332-0415 United States

("Assignee") desires to purchase all of Assignor's rights in same;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations paid by the said Assignee, the receipt and sufficiency of which are hereby acknowledged, Assignor has and by these presents does hereby sell, assign, transfer and convey unto said Assignee all of Assignor's rights, title, and interest in and to said Application, including in and to any conventional, division, continuation, continuation-in-part, substitution, reissue, renewal, reexam, continued prosecution application ("CPA"), or request for continued examination ("RCE") thereof, and in and to all inventions and improvements thereon (herein collectively referred to as "Related US Applications"), preparatory to obtaining Letters Patent of the United States therefore; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Application and Related US Applications, to Assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

For the same consideration, Assignor, by these presents does sell, assign, and transfer to Assignee all of Assignor's rights, title and interest in and to any foreign and international applications related to and/or seeking benefit of said Application and Related US Applications, and in and to all inventions and improvements thereon (herein collectively referred to as "Related Foreign Applications"), in and to any Letters Patent and similar protective rights granted on said Related Foreign Applications, and in and to the right to claim any applicable priority rights arising from or required for said Related Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations, said Related Foreign Applications to be filed and issued in the name of Assignee or its designee, insofar as permitted by applicable law.

For the same consideration, Assignor agrees, without charge to Assignee, but at Assignee's expense, to sign all lawful papers, execute said Application, Related US Applications and Related Foreign Applications, make all assignments and rightful oaths, assist in prosecution of said Application, Related US Applications and Related Foreign Applications, assist in prosecution of legal proceedings, and generally do everything reasonably possible to aid Assignee its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

PATENT TROUTMAN SANDERS REEL: 036676 FRAME: 0685

| IN WHENESS WHEDEOF I have be | ereunto set my hand and seal this 22 nd day of |
|--|---|
| September, 2015. | eletino set my nand and sear tims day or |
| | |
| | Janoth Lyng (SEAL) |
| | Farrokh Ayazi |
| | |
| Witnessed by: | Date: 9/22/2015 |
| Signature | |
| SAMUEL WISHER | |
| Printed Name of Witness | |
| 1 Into I tuno of Williams | |
| 1 /// | \sim $\alpha/\gamma/\gamma$ |
| Witnessed by: | Date: $\frac{9}{22}/20/5$ |
| Signature | |
| Jun-Yang Ce; | |
| Printed Name of Witness | |
| | |
| | |
| SECTION BELOW IS FOR USE ONLY IF | SIGNING IN PRESENCE OF A NOTARY |
| | |
| INI WITNIESS WHEDEAE I have h | ereunto set my hand and seal this day of |
| , 2015. | eretimo set my nand and sear tims day or |
| , 2013, | |
| | (SEAL) |
| | Farrokh Ayazi |
| State of | |
| _ | |
| County of | |
| On this day of | 2015 before me a notary public came to me known |
| On this day of, 2015, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he | |
| duly acknowledged the same to be his free act and deed. | |
| and animolitander me amine to of me need | |
| | |
| | NOTARY PUBLIC |
| | 36.0.1.7.1 |
| (SEAL) | My Commission Expires: |

25789299v1

TROUTMAN SANDERS

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 16 day of September, 2015.

Roozbeh Tabrizian

State of ______

County of Hackya

On this Lot day of Sept., 2015, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC

(SEAL)

My Commission Expires: 5128 | 201

VALERIE L. HOWARD MOTARY PUBLIC STATE OF FLORIDA Comm# FF014013 Expires 5/28/2017

25789299v1

TROUTMAN SANDERS

| . IN WITNESS WHEREOF, I have | hereunto set my hand and seal this 22 nd day of |
|---|---|
| September, 2015. | |
| | Mojtaba Hodjat-Shamami (SEAL) |
| Witnessed by: Signature | Date: 9/22/15 |
| SAMUEL WZGHERL Printed Name of Witness | |
| Witnessed by: Signature | Date: $9/22/2015$ |
| Jun Jang (e) Printed Name of Witness | 3 |
| SECTION BELOW IS FOR USE ONLY | IF SIGNING IN PRESENCE OF A NOTARY |
| IN WITNESS WHEREOF, I have, 2015. | hereunto set my hand and seal this day of |
| State of | (SEAL) Mojtaba Hodjat-Shamami |
| County of | |
| On this day of and known to be the individual described duly acknowledged the same to be his free | , 2015, before me, a notary public, came to me known in and who executed the foregoing assignment, and he e act and deed. |
| | NOTARY PUBLIC |
| (SEAL) | My Commission Expires: |

PATENT REEL: 036676 FRAME: 0688

| IN WITNESS WHEREOF, I have hereunto set my hand and seal this 22 not day of September, 2015. | |
|--|-------------------------------------|
| • | Arashic November - Some (SEAL) |
| | Arashk Norouzpour-Shirazi (SEAL) |
| Witnessed by: | Date: 09/22/2015 |
| Signature | |
| SAMUEL WESHER | _ |
| Printed Name of Witness | |
| Witnessed by: Signature | Date: _ 09/22/2015 |
| Jun-Yang (e) Printed Name of Witness | |
| SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY | |
| IN WITNESS WHEREOF, I have hereunto set my hand and seal this day of, 2015. | |
| | (SEAL) Arashk Norouzpour-Shirazi |
| State of | |
| County of | |
| On this day of, 2015, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed. | |
| | NOTARY PUBLIC |
| (SEAL) | My Commission Expires: |

25789299v1

TROUTMAN SANDERS