504448657 07/10/2017 PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | | ASSIGNMENT | ASSIGNMENT | | |
| CONVEYING PARTY D | ΑΤΑ | | | | |
| | | Name | Execution Date | | |
| CLIFTON R. HAIDER | | | 01/05/2015 | | |
| JAMES A. ROSE | | | 01/05/2015 | | |
| GARY S. DELP | | | 12/31/2014 | | |
| BARRY K. GILBERT | | | 01/05/2015 | | |
| RECEIVING PARTY DA | | | | | |
| Name: | | FOUNDATION FOR MEDICAL E | DUCATION AND RESEARCH | | |
| Street Address: | 200 FIR | ST STREET SW | | | |
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| State/Country: | MINNE | SOTA | | | |
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| PROPERTY NUMBERS Property Type | | Number | | | |
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| Application Number | · | 156/3193 | | | |
| Application Number: | | 15643193 | | | |
| Application Number: | | 15643193 | | | |
| | ΑΤΑ | 520)623-2418 | | | |
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| CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> | DATA oe sent to provided | (520)623-2418 the e-mail address first; if that ; if that is unsuccessful, it will | | | |
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| CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: | DATA be sent to provided | 520)623-2418 the e-mail address first; if that ; if that is unsuccessful, it will 520-770-8700 | | | |
| CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: | DATA () provided () () () | (520)623-2418 <i>the e-mail address first; if that</i> <i>; if that is unsuccessful, it will</i> 520-770-8700 pat-dept@quarles.com QUARLES & BRADY LLP ONE SOUTH CHURCH AVENUE | be sent via US Mail. | | |
| CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: | DATA () provided () () () | 520)623-2418 <i>the e-mail address first; if that</i> <i>; if that is unsuccessful, it will</i> 520-770-8700 pat-dept@quarles.com QUARLES & BRADY LLP | be sent via US Mail. | | |
| CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: | DATA to sent to provided | (520)623-2418 <i>the e-mail address first; if that</i> <i>; if that is unsuccessful, it will</i> 520-770-8700 pat-dept@quarles.com QUARLES & BRADY LLP ONE SOUTH CHURCH AVENUE | be sent via US Mail. | | |
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| CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: | DATA be sent to provided { { UMBER: | (520)623-2418 <i>the e-mail address first; if that</i> <i>; if that is unsuccessful, it will</i> 520-770-8700 pat-dept@quarles.com QUARLES & BRADY LLP ONE SOUTH CHURCH AVENUE FUCSON, ARIZONA 85701 630666.00722 | be sent via US Mail. | | |
| CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: | DATA be sent to provided { { UMBER: | (520)623-2418 the e-mail address first; if that ; if that is unsuccessful, it will 520-770-8700 pat-dept@quarles.com QUARLES & BRADY LLP ONE SOUTH CHURCH AVENUE TUCSON, ARIZONA 85701 630666.00722 YAKOV S. SIDORIN | be sent via US Mail. | | |
| CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: SIGNATURE: | DATA be sent to provided { { UMBER: | (520)623-2418 the e-mail address first; if that ; if that is unsuccessful, it will 520-770-8700 pat-dept@quarles.com QUARLES & BRADY LLP ONE SOUTH CHURCH AVENUE FUCSON, ARIZONA 85701 630666.00722 YAKOV S. SIDORIN /Yakov S. Sidorin/ | be sent via US Mail. | | |
| CORRESPONDENCE I Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 3 source=630666.00722 As | DATA oe sent to provided UMBER: Ssignment | (520)623-2418 the e-mail address first; if that if that is unsuccessful, it will 520-770-8700 pat-dept@quarles.com QUARLES & BRADY LLP ONE SOUTH CHURCH AVENUE FUCSON, ARIZONA 85701 630666.00722 YAKOV S. SIDORIN /Yakov S. Sidorin/ 07/10/2017 (parent)#page1.tif | be sent via US Mail. | | |
| CORRESPONDENCE I Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: DATE SIGNED: Total Attachments: 3 | DATA () provided () () () () () () () () () () () () () | (520)623-2418 the e-mail address first; if that ; if that is unsuccessful, it will 520-770-8700 pat-dept@quarles.com QUARLES & BRADY LLP ONE SOUTH CHURCH AVENUE TUCSON, ARIZONA 85701 630666.00722 YAKOV S. SIDORIN /Yakov S. Sidorin/ 07/10/2017 (parent)#page1.tif (parent)#page2.tif | be sent via US Mail. | | |

ASSIGNMENT

WHEREAS, the undersigned have made certain inventions which are described in an application for Letters Patent of the United States entitled SPECTROMETRIC SYSTEMS AND METHODS FOR IMPROVED FOCUS LOCALIZATION OF TIME-AND SPACE-VARYING MEASUREMENTS and identified Application Serial No. 14/397,814, filed on October 29, 2014, and

WHEREAS, Mayo Foundation for Medical Education and Research (hereinafter referred to as said Company), a Minnesota corporation having a place of business at 200 First Street SW, Rochester Minnesota 55905 is desirous of acquiring the entire interest in said inventions throughout the United States of America and the territories thereof, for all other countries and under all international agreements,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the inventors hereby assign and transfer unto said Company, its successors and assigns, the entire right, title and interest throughout the United States of America and the territories thereof, for all foreign countries and under all international agreements in and to said inventions, the aforesaid application, all other applications hereafter filed in the United States, in any other country, or under any international agreement based in whole or in part on said inventions, and all Letters Patents granted upon said applications by the United States, by any other country or under any international agreement, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Company. I further grant to said Company, its successors and assigns, the right to claim for any of said applications the full benefits and priority rights of any international agreement between the United States and any foreign country or countries or between any other countries.

I hereby warrant that we have the full right to make the conveyance herein, and we hereby covenant that we, our heirs, legal representatives and assigns, will when requested, communicate to said Company, its representatives, successors and assigns, all facts known respecting said inventions, execute all divisional, continuing, reissue, reexamination and foreign or international applications, together with individual assignments therefore, make all rightful oaths, sign all lawful papers, testify in any legal proceeding and generally do everything possible to aid said Company, its successors and assigns, in the obtaining of Letters Patent.

Page 1 of 3

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals at the location and on the date indicated with our signatures.

| Signature: <u>Barry K Silled</u> | STATE OF: MINNESOTA |
|----------------------------------|---------------------|
| Name:Barry K. Gilbert | COUNTY OF: NM9120 |
| Address: 2227 Lenwood Court SW | |
| Rochester, MN 55902 | |
| Date: 1/05/2015 | |

Before me on this day of MMAN 2014, came Barry K. Gilbert, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution therefore to be his/her free act and deed

(SEAL)



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Notary Public, State of ________

My Commission Expires January 31, 2020

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals at the location and on the date indicated with our signatures.

| Signature:_ | alle B. Huda | |
|-------------|---------------------|--|
| Name: | Clifton R. Haider | |
| Address: | 6351 29th Avenue NW | |
| ****** | Rochester, MN 55901 | |
| | water and the party | |

STATE OF: MINNESOTA COUNTY OF: N.MGTED

Date: 1-3-2015 Before me on this _5thday or January 201%, came Clifton R. Haider, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution therefore to be his/her free act and deed.

(SEAL)

| | 00000000000000000000000000000000000000 |
|--|--|
| A CONTRACTOR | SUSAN M NEUMANN Notary Public |
| (Sharman E) | State of Minnesuta |
| 112312-91 | My Commission Expires |
| Contraction of the second seco | January 31, 2020 |

Mark Curren-Notary Public, State of MINNEPTA

My Commission Expires: UNUARIA 31,2020

Page 2 of 3

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PATENT REEL: 042948 FRAME: 0350

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals at the location and on the date indicated with our signatures.

| Signature: 642 | STATE OF: MINNESOTA |
|---------------------------------------|-----------------------|
| Name: <u>Gary S. Delp</u> | COUNTY OF: DLans To D |
| Address: 911 23 rd Ave, SW | |
| Rochester, MN 55902 | |
| Date: 31 Dece 2014 | 0 |

Before me on this $\frac{367}{2014}$ day of $\frac{100000}{2014}$ 2014, came <u>Gary S. Delp</u>, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution therefore to be his/her free act and deed.

(SEAL)



Notary Public, State of <u>MNNESETA</u> My Commission Expires: <u>JANUAR4151</u>, 2020

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals at the location and on the date indicated with our signatures.

| Signature: | ens, <u>A. Rose</u> |
|------------|---------------------|
| Name: | James A. Rose |
| Address: | 5383 Heritage Ln SW |
| | Rochester, MN 55902 |

STATE OF: <u>MINNESOTA</u> COUNTY OF: <u>介</u>派所因为

Before me on this $\frac{571}{571}$ day of $\frac{164}{164}$, 201 $\frac{5}{4}$, came <u>James A. Rose</u>, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution therefore to be his/her free act and deed.

(SEAL)



| Storn | Jaca- |
|-------|-------|
| | |

Notary Public, State of MUNNESDTA My Commission Expires: JANUARIA 31, 2020

Page 3 of 3

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Date: 1/5/2015

PATENT REEL: 042948 FRAME: 0351

RECORDED: 07/10/2017