502942571 08/20/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2989169

| | SUBMISSION TYPE: | | | NEW ASSIGNMENT | | | | |
|--|--------------------------|---|---|--|--|----------------|--|--|
| NATURE OF CONVEYANCE: | | | ASSIGNMENT | | | | | |
| CONVEYING PARTY DA | ATA | | | | | | | |
| | | Nar | ne | | | Execution Date | | |
| KEVIN KILGORE | | | | | | 08/08/2014 | | |
| DOUGLAS MICHAEL AC | CKERMA | ANN JR. | | | | 08/18/2014 | | |
| NILOY BHADRA | | | | | | 08/11/2014 | | |
| NARENDRA BHADRA | | | | | | 08/07/2014 | | |
| JOE PAYER | | | | | | 08/07/2014 | | |
| RECEIVING PARTY DA | ТА | | | | | | | |
| Name: | CASE | WESTER | N RESERVE UNIVE | RSITY | | | | |
| Street Address: | 10900 | EUCLID A | AVENUE | | | | | |
| City: | CLEVE | LAND | | | | | | |
| State/Country: | оню | | | | | | | |
| Postal Code: | 44106- | 4971 | | | | | | |
| | Total: 1 | | | | | | | |
| Property Type | | | Number | | | | | |
| | Application Number: 1446 | | | | | | | |
| | | 14463948 | 3 | | | | | |
| | ΑΤΑ | 14463948 | 3 | | | | | |
| Application Number: CORRESPONDENCE D Fax Number: | | (216)503 | -5401 | | | | | |
| Application Number: CORRESPONDENCE D. Fax Number: Correspondence will be | e sent to | (216)503- o the e-ma | -5401 ail address first; if t | | | | | |
| Application Number: CORRESPONDENCE D Fax Number: | e sent to | (216)503- o the e-ma | -5401 ail address first; if t s unsuccessful, it v | | | | | |
| Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: | e sent to | (216)503 o the e-ma d; if that i 216-503-: | -5401 ail address first; if t s unsuccessful, it v | | | | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p | e sent to | (216)503 o the e-ma d; if that i 216-503- MU@KRa | -5401 ail address first; if t s unsuccessful, it v 5400 | vill be ser | | | | |
| Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: | e sent to provideo | (216)503 o the e-ma d; if that i 216-503- MU@KR KRAGUL | -5401 ail address first; if t s unsuccessful, it v 5400 AGLAW.COM | vill be ser | | | | |
| Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: | e sent to provideo | (216)503 o the e-m d; if that i 216-503- MU@KR MU@KR KRAGUL 4700 RO | -5401 ail address first; if t s unsuccessful, it v 5400 AGLAW.COM JAC LAW GROUP, I | vill be ser | | | | |
| Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: | e sent to provideo | (216)503 o the e-ma d; if that i 216-503- MU@KR KRAGUL 4700 RO SUMMIT | -5401 ail address first; if t s unsuccessful, it v 5400 AGLAW.COM JAC LAW GROUP, I CKSIDE ROAD | r ill be ser .LC | | | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU | e sent to provideo | (216)503 5 the e-ma d; if that i 216-503- MU@KR, KRAGUL 4700 RO SUMMIT INDEPEN | -5401 ail address first; if t s unsuccessful, it v 5400 AGLAW.COM JAC LAW GROUP, I CKSIDE ROAD ONE, SUITE 510 | r ill be ser .LC | | | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: | e sent to provideo | (216)503 o the e-m d; if that i 216-503- MU@KR KRAGUL 4700 RO SUMMIT INDEPEN 200 | -5401 ail address first; if t s unsuccessful, it v 5400 AGLAW.COM JAC LAW GROUP, I CKSIDE ROAD ONE, SUITE 510 NDENCE, OHIO 4413 | v ill be ser LLC | | | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU | e sent to provideo | (216)503 o the e-m 216-503- MU@KR KRAGUL 4700 RO SUMMIT INDEPEN 200 TH | -5401 ail address first; if t s unsuccessful, it v 5400 AGLAW.COM JAC LAW GROUP, I CKSIDE ROAD ONE, SUITE 510 NDENCE, OHIO 4413 | v ill be ser LC 31 SKI | | | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: | e sent to provideo | (216)503 o the e-m 216-503- MU@KR KRAGUL 4700 RO SUMMIT INDEPEN 200 TH /TH | -5401 ail address first; if t s unsuccessful, it v 5400 AGLAW.COM JAC LAW GROUP, I CKSIDE ROAD ONE, SUITE 510 NDENCE, OHIO 4413 09-1702-DIV OMAS M. SZYMANS | v ill be ser LC 31 SKI | | | | |
| Application Number: CORRESPONDENCE D. Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NUMATE OF SUBMITTER: BIGNATURE: | e sent to provideo | (216)503 o the e-m 216-503- MU@KR KRAGUL 4700 RO SUMMIT INDEPEN 200 TH /TH | -5401 ail address first; if t s unsuccessful, it v 5400 AGLAW.COM JAC LAW GROUP, I CKSIDE ROAD ONE, SUITE 510 JDENCE, OHIO 4413 09-1702-DIV OMAS M. SZYMANS | v ill be ser LC 31 SKI | | | | |

| source=2009-1702-DIV_ASSN#page2.tif |
|-------------------------------------|
| source=2009-1702-DIV_ASSN#page3.tif |
| source=2009-1702-DIV_ASSN#page4.tif |
| source=2009-1702-DIV_ASSN#page5.tif |
| source=2009-1702-DIV_ASSN#page6.tif |
| source=2009-1702-DIV_ASSN#page7.tif |
| source=2009-1702-DIV_ASSN#page8.tif |
| source=2009-1702-DIV_ASSN#page9.tif |
| |

ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, We, the undersigned, **Kevin KILGORE**, of 719 Jaycox Road, Avon Lake, OH 44012, USA; **Douglas Michael ACKERMANN, Jr.**, of 460 Fernando Ave., Palo Alto, CA 94306, USA; **Niloy BHADRA**, of 2245 Briarwood Rd., Cleveland Hts., OH 44118, USA; **Narendra BHADRA**, of 9490 Shadow Hill Trail, Chesterland, OH 44026, USA; and **Joe PAYER**, of 10918 Cardinal Lane, Brecksville, OH 44141, USA; hereby assign all right, title and interest to **CASE WESTERN RESERVE UNIVERSITY**, 10900 Euclid Avenue, Cleveland, Ohio 44106-4971, its successors and assigns, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions in

ADJUSTABLE NERVE ELECTRODE

set forth in the patent application no. 12/948,848, filed November 18, 2010 for United States Letters Patent; the application for United States Letters Patent, any and all other applications for Letters Patent on the inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon the inventions or upon the applications, and any and all Letters Patents and reissues and extension of Letters Patent granted for the inventions or upon the applications, and every priority right that is or may be predicated upon or arise from the inventions, the applications and the Letters Patent; the assignee being hereby authorized to file patent applications in any or all countries on any or all of the inventions in the name of the undersigned or in the name of the assignee or otherwise as the assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all the Letters Patent to the assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that the assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to

Page 1 of 4

assure that the inventions, patent applications and Letters Patent shall be held and enjoyed by the assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to the assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and in substance which may be requested by the assignee, to furnish the assignee with all facts relating to the inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of the inventions, and to testify in any proceedings relating to the inventions, patent applications and Letters Patent.

I further authorize and direct the attorneys of record to insert the application number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

(1)Date: Kevin KILGORE State of HON GMAN CHEN NOTARY PUBLIC SS: STATE OF OHIO County of Recorded in Cuvahoga County My Comm. Exp. 8/28/18 On this day of 2014 personally appeared before me, Kevin KILGORE, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned. 8/8/2014 Date:

Notary Public

My Commission Expires

(2)

Date:

Page 2 of 4

Douglas Michael ACKERMANN, Jr.

| State of |) | |
|-----------|---|-----|
| |) | SS: |
| County of |) | |

On this ______ day of ______, 20___, personally appeared before me, <u>Douglas Michael ACKERMANN, Jr.</u>, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date:

Notary Public

My Commission Expires

(3) 8/11/14 Date:

)

SS:

State of OH)) County of Curgaliager))

Niloy BHADRA

On this 1/4 day of August, 20/4 personally appeared before me, <u>Niloy BHADRA</u>, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

SHILL Date: HONGMAN CHEN NOTARY PUBLIC STATE OF OHIO Recorded in Cuyahoga County My Comm. Exp. 8/28/18

Notary Public

My Commission Expires

Docket No.: 2009-1702

(4)Date: Aug 7, 2014

State of OHIO

Shadra.

Narendra BHADRA

)) County of CUYAHOGA))

SS:

| On this | 774 | _ day of | HUGU | 57- | | 2014 | personally | appeared |
|-----------------------|------------------|-----------|------------|---------|----------|---------|-------------|----------|
| before me, <u>Nar</u> | <u>enda BHAL</u> | RA, to me | e known to | be the | person n | amed | in and who | executed |
| the above instru | iment, and a | acknowled | lged to me | that he | executed | l the s | ame for the | uses and |
| the purposes the | erein mentio | ned. | | | | | \cap . | |

Date: <u>AUGUST 7, 2014</u>

<u>Arol A. Udrine</u> Notary Public <u>OCT. 18, 2014</u> My Commission Expires

| (5) | | |
|-----------|---|-----|
| Date: | | |
| State of |) | |
| |) | SS: |
| County of |) | |

Joe PAYER

On this ______ day of ______, 20___, personally appeared before me, <u>Joe PAYER</u>, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date:

Notary Public

My Commission Expires

| | | | Docket No.: 2009-1702 |
|---------------------------------------|----------|----------------------------------|---|
| (4) | | | |
| Date: | | | |
| | | | Narendra BHADRA |
| State of |) | | |
| |) | SS: | |
| County of |) | | |
| | | | |
| On this | L ACKHON | of o me known wledged to r | to be the person named in and who executed ne that he executed the same for the uses and |
| Date: | | | • |
| , | | | Notary Public |
| | | | |
| | | | My Commission Expires |
| (5) Date: 8/7/14 | | | Joe PAYER |
| State of Otho County of Curlettoon | ` | | Joe PAYER |
| owned of Pallo | ן ג | 6363. | v |
| County of CULAHOGA |) | SS: | |
| County of COMMONT |) | | |

On this $\underline{\gamma}_{\underline{\mu}}^{\underline{\mu}}$ day of \underline{AUGUST} , 2014, personally appeared before me, <u>Joe PAYER</u>, to me known to be the person named in and who executed the above On this 7th instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned, C Date: Notary Public

DAVID C. FLETCHER Notary Public missionidappineshe State of Ohio My Commission Expires October 25, 2014

Page 4 of 4

ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, We, the undersigned, **Kevin KILGORE**, of 719 Jaycox Road, Avon Lake, OH 44012, USA; **Douglas Michael ACKERMANN**, Jr., of 460 Fernando Ave., Palo Alto, CA 94306, USA; **Niloy BHADRA**, of 2245 Briarwood Rd., Cleveland Hts., OH 44118, USA; **Narendra BHADRA**, of 9490 Shadow Hill Trail, Chesterland, OH 44026, USA; and **Joe PAYER**, of 10918 Cardinal Lane, Brecksville, OH 44141, USA; hereby assign all right, title and interest to **CASE WESTERN RESERVE UNIVERSITY**, 10900 Euclid Avenue, Cleveland, Ohio 44106-4971, its successors and assigns, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions in

ADJUSTABLE NERVE ELECTRODE

set forth in the patent application no. 12/948,848, filed November 18, 2010 for United States Letters Patent; the application for United States Letters Patent, any and all other applications for Letters Patent on the inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon the inventions or upon the applications, and any and all Letters Patents and reissues and extension of Letters Patent granted for the inventions or upon the applications, and every priority right that is or may be predicated upon or arise from the inventions, the applications and the Letters Patent; the assignee being hereby authorized to file patent applications in any or all countries on any or all of the inventions in the name of the undersigned or in the name of the assignee or otherwise as the assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all the Letters Patent to the assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that the assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to

Page 1 of 4

assure that the inventions, patent applications and Letters Patent shall be held and enjoyed by the assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to the assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and in substance which may be requested by the assignee, to furnish the assignee with all facts relating to the inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of the inventions, and to testify in any proceedings relating to the inventions, patent applications and Letters Patent.

I further authorize and direct the attorneys of record to insert the application number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

Kevin KILGORE

(1)

Date:_____

State of

County of

On this ______ day of ______, 20__, personally appeared before me, <u>Kevin KILGORE</u>, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date:

)

)

SS:

Notary Public

(2)

Date: 18 AUG 2014

| * | - , |
|---|------------|
| R | D |
| Classific and Control of Control | |

My Commission Expires

Page 2 of 4

Douglas Michael ACKERMANN, Jr.

| State of California |) | |
|---------------------|---|-----|
| |) | SS: |
| County of Santhates |) | |

On this 18^M day of <u>August</u>, 2014 personally appeared before me, <u>Douglas Michael ACKERMANN</u>, Jr., to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

| | FELICIA D. KUT2 Commission # 2072687 Notary Public - California San Francisco County (Comm. Expires Jun 26, 20) | 18 | <u>Jelicia Włuż</u> Notary Public <u>6 26 18</u> My Commission Expires |
|-----------|---|-----|---|
| (3) | | | |
| Date: | | | |
| | | | Niloy BHADRA |
| State of |) | | |
| |) | SS: | |
| County of |) | | |

On this ______ day of ______, 20__, personally appeared before me, *Niloy BHADRA*, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date:

Notary Public

My Commission Expires

| (4) | | | |
|-----------|---|-----|-----------------|
| Date: | | | |
| | | | Narendra BHADRA |
| State of |) | | |
| |) | SS: | |
| County of |) | | |

On this ______ day of ______, 20__, personally appeared before me, <u>Narenda BHADRA</u>, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

| Date: | | | |
|-----------|-----|-----|-----------------------|
| 4 | | | Notary Public |
| | v., | | |
| ÷ | | ·. | |
| х. | | | My Commission Expires |
| · · | | | |
| (5) | | | |
| Date: | | | |
| | | | Joe PAYER |
| State of |) | | |
| |) | SS: | |
| County of |) | | |

On this ______ day of ______, 20__, personally appeared before me, <u>Joe PAYER</u>, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date:_____

Notary Public

My Commission Expires

Page 4 of 4