PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| Brian E. Farley | 08/19/1997 |
| Grace Y. Schulz | 08/19/1997 |
| Dawn A. Henderson | 08/15/1997 |
| Mark P. Parker | 08/15/1997 |
| Arthur W. Zikorus | 08/15/1997 |
| Gary H. Miller | 08/14/1997 |
| Jay S. Daulton | 08/19/1997 |
| Douglas Portnow | 08/19/1997 |

RECEIVING PARTY DATA

| Name: | VNUS Medical Technologies, Inc. | |
|-----------------|---------------------------------|--|
| Street Address: | 238 E. Caribbean Drive | |
| City: | Sunnyvale | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 94086 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------|---------|
| Patent Number: | 6638273 |

CORRESPONDENCE DATA

Fax Number: (631)501-3526

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

Phone: 6315015700

Email: docket@cdfslaw.com

Correspondent Name: Carter, DeLuca, Farrell & Schmidt, LLP

Address Line 1: 445 Broad Hollow Rd.

Address Line 2: Suite 420

Address Line 4: Melville, NEW YORK 11747

PATENT

REEL: 023355 FRAME: 0228

\$40.00 663

500985584

| ATTORNEY DOCKET NUMBER: | 1502-561 |
|-------------------------------------|------------------|
| NAME OF SUBMITTER: | Pina M. Campagna |
| Total Attachments: 11 | |
| source=00041958#page1.tif | |
| source=00041958#page2.tif | |
| source=00041958#page3.tif | |
| source=00041958#page4.tif | |
| source=00041958#page5.tif | |
| source=00041958#page6.tif | |
| source=00041958#page7.tif | |
| source=00041958#page8.tif | |
| source=00041958#page9.tif | |
| source=00041958#page10.tif | |
| source=00041958 # page11.tif | |

PATENT REEL: 023355 FRAME: 0229

ASSIGNMENT

This Assignment is made by Brian E. Farley of Los Altos, California,
Grace Y. Schulz of San Carlos, California, Dawn A. Henderson of Palo Alto,
California, Mark P. Parker of San Jose, California, Arthur W. Zikorus of San Jose,
California, Gary H. Miller of Milpitas, California, Jay S. Daulton of San Jose,
California, and Douglas Portnow of Sunnyvale, California to VNUS Medical
Technologies, Inc., a California corporation, Assignee, having a place of business
at 238 E. Caribbean Drive, Sunnyvale, California 94086.

WHEREAS, Assignors have invented a new and useful EXPANDABLE CATHETER HAVING IMPROVED ELECTRODE DESIGN, AND METHOD FOR APPLYING ENERGY for which an application for United States Letters Patent has been executed by Assignors and was filed on July 17, 1997 as Application Serial No. 08/895,850; and

WHEREAS, Assignors believe themselves to be original, first and joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignce desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) and of other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign and transfer to Assignee,

-1-

Docket No. VNUS-41804

PATENT REEL: 8764 FRAME: 0811

> PATENT <u>REEL: 023355 FRAME: 0230</u>

the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and their legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

-2-

Docket No. VNUS-41804

PATENT

REEL: 8764 FRAME: 0812

PATENT RFFL: 023355 FRAME: 0231

IN WITNESS WHEREOF, Assignors have executed this Assignment on

the dates written hereinbelow.

Dated:

Assignors' Signatures:

8/15/17

BRIAN E. FARLEY

8/19/97

GRACE Y. SCHULZ &

8/14/27

DAWN A HENDERSON

8/15/97

MARK P. PARKER

Augus + 15, 1997

ARTHUR W. ZIKORUS

AV6187 14,1997

GARYH MILLER

8-19-97

JAYS. DAULTON

8-17-97

DOLIGI AG DODINOW

- 3 -

Docket No. VNUS-41804

| CALIFORNIA ALL-PURPOSE ACKNO | WLEDGMENT | |
|--|--|---|
| State of CALTITION County of SANA CIAIA On SING Defore the JULC TO NAME THE COUNTY OF SANA CIAIA On SING GO DEFORM TO THE CONTY OF THE COUNTY OF THE COUN | LAST SMITH, NUTRUSIZ BLK | OPTIONAL SECTION CAPACITY CLAIMED BY SIGNER Though statute does not require the Notary to fill in the date below, doing so may prove involveble to persons relying on the document. INDIVIDUAL CORPORATE OFFICER(S) TITLE(S) PARTNER(S) GENERAL ATTORNEY-IN-FACT TRUSTEE(S) GUARDIAN/CONSERVATOR OTHER SIGNER IS REPRESENTING: MACK OF PERSONS ON EMITTINES! |
| THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED AT RIGHY: Though the data industried is not recover by law, at cooling payant fraudition restrictions of the form | OPTIONAL SECTION TITLE OR TYPE OF DOCUMENT NUMBER OF PAGES 3 DATE OF DOC SIGNERIS) OTHER THAN NAMED ABOVE | |

Brian E Failey

Check T Shulz

Dawn A Henderson

Mark P Parker

Withor 6 2. ke us

Chary H Multer

Jay S Daviton

Dunglas Pertness

-4-

Docket No. VNUS-41804

PATENT REEL: 8764 FRAME: 0814

PATENT

REEL: 023355 FRAME: 0233

| CALIFORNIA ALL-PURPOSE ACKN | OWLEDGMENT | |
|--|--|------|
| personally appeared | proved to me on the basis of satisfactory evidence to be the person(s) whose names(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument is the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. OPTIONAL SECTION TITLE OR TYPE OF DOCUMENT OPTIONAL SECTION AND THE OF PAGES 3 DATE OF DOC | |
| h could prevent flaudulent realischment of this form | SIGNERISI OTHER THAN NAMED ABOVE BY ON E FORL GRAND Y SCH DRIVEN A HER MORK P. P. M. CITTUS H. M. LONG H. M. | iers |

- 5 -

Docket No. VNUS-41804

| CALIFORNIA ALL-PURPOSE ACKNO | WLEDGMENT | |
|---|--|--|
| personally appeared | proved to me on the basis of satisfactory evidence to be the person(s) whose names(s) is/are subscribed to the within instrument and acknowledged to me that he/she/their suphorized capacity(ics), and that by his/her/their signature(s) on the instrument is the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. | CAPACITY CLAIMED BY SIGNER Though statute does not require the Notery to fill in the date below, doing so may prove invaluable to parsons relying on the document. TITLE(S) TITLE(S) PARTNER(S) LIMITED GENERAL ATTORNEY-IN-FACT TRUSTEE(S) GUARDIAN/CONSERVATOR OTHER SIGNER IS REPRESENTING: ILAME OF PERSONISI OR ENTITYHESI |
| THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED AT RIGHT. Though the data regulated is not recurred by law, at could prevent fraudusen regularizationant at this fairle. | OPTIONAL SECTION TITLE OR TYPE OF DOCUMENT NUMBER OF PAGES 3 DATE OF DOC SIGNER(S) OTHER THAN NAMED ABOVE BY THE FALL () A C C Y SCHOOL () A LO C Y SCHOOL () A | UMENT <u>\$/14/97</u> 12 12 12 12 12 12 12 12 12 |

-6-

Docket No. VNUS-41804

| CALIFORNIA ALL-PURPOSE ACKNO | OWLEDGMENT | |
|--|--|------------------|
| R + | proved to me on the basis of satisfactory evidence to be the person(s) whose names(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(les), and that by his/her/their signature(s) on the instrument is the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. OPTIONAL SECTION TITLE OR TYPE OF DOCUMENT NUMBER OF PAGES 3 DATE OF DOC | |
| Though the darp requested as not required by law, It could prevent translation reactivement of this torn | SIGNER(S) OTHER THAN NAMED ABOVE Partial Constitution of the co | long note sur |

-7-

Docket No. VNUS-41804

| State of California | | OPTIONAL SECTION |
|---|---|---|
| County of Sinta Clina | | CAPACITY CLAIMED BY SIGNER |
| On S/1 before me, Julic NAME, FIRE | OF OFFICER - E. G. JAME DOE, NOTARY PUBLICATION | Though statute does not require the Notary to fill in the date below, doing a may prove invaluable to persons relying the document INDIVIDUAL |
| personally appeared Ar T | Karus (arthur U. Zikorus) | CORPORATE OFFICER(S) |
| | proved to me on the basis of satisfactory evidence to be the person(s) whose names(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ics), and that by his/her/their signature(s) on the instrument is the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. | TITLE(S) PARTNER(S) LIMITED GENERAL ATTORNEY-IN-FACT TRUSTEE(S) GUARDIAN/CONSERVATOR |
| My Comm. expires 3001 14, 2501 6 | | LI OTHER |
| | WITNESS my hand and official seal. | SIGNER IS REPRESENTING: |
| | SIGNATURE OF NOTARY | PAME OF PERSONISI ON ENTITYPESI |
| THIS CERTIFICATE MUST BE ATTACHED TO | OPTIONAL SECTION TITLE OR TYPE OF DOCUMENT 05 | Signal |
| THE DOCUMENT DESCRIBED AT RIGHT: | NUMBER OF PAGES DATE OF DOC | IBMENT 8/14/97 |
| Though the days requested is not required by law, if could prevent insulations restractment of this form. | SIGNERIS) OTHER THAN NAMED ABOVE | |
| | | HrndM'sen |

- 8 -

Docket No. VNUS-41804

PATENT REEL: 8764 FRAME; 0818

REEL: 023355 FRAME: 0237

| CALIFORNIA ALL-PURPOSE ACKNO | WLEDGMENT | |
|--|---|---|
| County of Sav. 12 (*Inca On \$1/4/97 before mg, Juli Cr Datt HAME, THE C personally appeared R1 LA Department of the Community Public - Celliornia SANTA CLARA COUNTY My Comm Expires JULY 14, 2001 | OF STREET NO TAIN PUBLIC | CAPACITY CLAIMED BY SIGNER Though statute does not require the Notary to fill in the date below, doing so may prove investigable to persons relying on the document. INDIVIDUAL CORPORATE OFFICER(S) TITLE(S) PARTNER(S) LIMITED GENERAL ATTORNEY-IN-FACT TRUSTEE(S) GUARDIAN/CONSERVATOR OTHER SIGNER IS REPRESENTING: HAWT OF PERSONS) OR EMILITY(ES) |
| THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED AT RIGHT: Though the same requirement of referred by take, a count prevent fundament restrictment of the form. | NUMBER OF PAGES 3 DATE OF DOC SIGNERIS) OTHER THAN NAMED ABOVE (S. C.C. V.S. Date of D. C. V.S. Mark 17 P. (A.T. Mark) | chulz rachisem Miller Daulton |

,

-9-

Docket No. VNUS-41804

| CALIFORNIA ALL-PURPOSE ACKNO | DWLEDGMENT | |
|--|--|---|
| personally appeared | proved to me on the basis of satisfactory evidence to be the person(s) whose names(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/he/their authorized capacity(les), and that by his/her/their signature(s) on the instrument is the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. | CAPACITY CLAIMED BY SIGNER Though statute does not require the Notary to fill in the date below, doing so may prove invaluable to persons relying to the document. INDIVIDUAL CORPORATE OFFICER(S) TITLE(S) PARTNER(S) LIMITED GENERAL ATTORNEY-IN-FACT TRUSTEE(S) GUARDIAN/CONSERVATOR OTHER SIGNER IS REPRESENTING: |
| THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED AT RIGHT. Though the data (equivaled is not required by law. it could prevent fraudulent realizehment a) this form. | MINNER OF PACES 3 DATE OF DOC | ar Ling chuiz. Hendrison Parker |

- 10 -

Docket No. VNUS-41804

| State of Callamin County of Santa Clarco On Sight? before me, Lie Callamin Within Within Robin Part House Departed Dung Content to the month of the date below, doing so may prove invaluable to personally appeared Dung Content to the month of the personal whose namests is lare subscribed to the within instrument and acknowledged to me that he/shelf-they executed the same in his/her/ County Public Callomia Santa Clara County Santa Clara Clara County Santa Clara Clara County Santa Clara Cla | | DWLEDGMENT | |
|--|--|---|--|
| THIS CERTIFICATE MUST BE ATTACHED TO TITLE OR TYPE OF DOCUMENT USS. GOVERN TO THE DOCUMENT DESCRIBED AT RIGHT: NUMBER OF PAGES 3 DATE OF DOCUMENT SITE TO THE DOCUMENT SITE TO T | personally known to me -OR- JULIE FRASER-SMITH COMM. # 1146815 Notary Public - California SANTA CLARA COUNTY My Comm. Expires JULY 14, 2001 | proved to me on the basis of satisfactory evidence to be the person(s) whose names(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/he/ their authorized capacity(ies), and that by his/her/their signature(s) on the instrument as the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. | CAPACITY CLAIMED BY SIGNER Though statute does not require the Notary to fill in the data below, doing as may prove invaluable to persons relying of the document. INDIVIDUAL CORPORATE OFFICER(S) TITLE(S) PARTNER(S) LIMITED GENERAL ATTORNEY-IN-FACT TRUSTEE(9) GUARDIAN/CONSERVATOR OTHER SIGNER IS REPRESENTING: |
| | THE DOCUMENT DESCRIBED AT RIGHT: | TITLE OR TYPE OF DOCUMENT US | |

Since 4 Schol2

Down A Henderson

Mick P Chiker

A thor be 7. keres

Uning 11 Miller

Jing S. Doutton

Douglas Portner

- 11 -

Docket No. VNUS-41804

PATENT

REEL: 8764 FRAMI:: 0821

PATENT

REEL: 023355 FRAME: 0240

RECORDED: 10/24/1997