

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VZN CAPITAL, LLC	07/12/2011

RECEIVING PARTY DATA

Name:	Cardiolumen, Inc.
Street Address:	201 North Union Street, S-100
City:	Alexandria
State/Country:	VIRGINIA
Postal Code:	22314

PROPERTY NUMBERS Total: 11

Property Type	Number
Patent Number:	7680378
Patent Number:	7717624
Patent Number:	7488930
Patent Number:	7869054
Patent Number:	7417740
Patent Number:	7852485
Patent Number:	7242480
Patent Number:	7474408
Patent Number:	7327463
Patent Number:	7242832
Application Number:	11615288

CORRESPONDENCE DATA

Fax Number: (703)761-2375
Phone: (703) 761-4100
Email: SMCGINN@MCGINNIPLAW.COM

501747684

PATENT
REEL: 027341 FRAME: 0019

CH \$440.00 7680378

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: MCGINN INTELLECTUAL PROPERTY LAW GROUP,
Address Line 1: 8321 OLD COURTHOUSE ROAD, SUITE 200
Address Line 4: VIENNA, VIRGINIA 22182-3817

ATTORNEY DOCKET NUMBER:

CARD.002

NAME OF SUBMITTER:

Sean M. McGinn

Total Attachments: 19

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PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT (this "Agreement"), dated as of July 12, 2011 (the "Effective Date"), is made and entered into by and between CardioLumen, Inc., a Delaware corporation ("Buyer"), and VZN Capital, LLC, a Virginia limited liability company ("Seller")

R E C I T A L S

A. Seller is the sole owner of all rights, title and interest in and to the "Patents" as defined in Recital B below; and

B. The Patents mean all rights, title and interest in and to the below listed United States patents and patent pending and all amendments, revisions, divisions, continuations, continuations-in-part, reexaminations, substitutions, reissues, extensions and renewals thereof and all rights to causes of action and remedies thereto, including, without limitation, the right to sue for past, present and future infringement:

<u>Patent/Application Number</u>	<u>Title</u>
7,680,378	Low reflection lateral output fiber probe
7,717,624	Connectors for multi fiber optical probes
7,488,930	Multi-channel low coherence interferometer
11/615,288	Accurate lumen sizing and stent expansion
7,869,054	Polarization insensitive multiple probe
7,417,740	Single trace multi-channel low coherence interferometric sensor
7,852,485	Single trace multi-channel low coherence interferometric sensor
7,242,480	Low coherence interferometry for detecting and characterizing plaques
7,474,408	Low coherence interferometry utilizing phase
7,327,463	Low coherence interferometry utilizing magnitude

7,242,832

Device for tissue characterization

and

C. Buyer desires to acquire the Patents and Seller desires to transfer the Patents to the Buyer on and subject to the terms and conditions of this Agreement.

NOW, THEREFORE, in consideration of the mutual covenants, representations, warranties, agreements and the conditions set forth in this Agreement, Buyer and Seller hereby agree as follows:

1. Assignment.

Seller does hereby irrevocably assign, convey, grant and sell the Patents to Buyer free and clear of all claims, liens, liabilities and encumbrances of all kinds except for the security interest specifically granted to Seller as set forth in this Agreement.

2. Purchase Price; Stock Warrants.

A. Cash Consideration. As consideration for the assignment of the Patents as provided for in Section 1 above, Buyer does hereby agree to pay to Seller the sum of \$750,000.00 (the "Purchase Price") payable as follows:

(i) Buyer shall pay Seller the sum of \$175,000.00 at the time that Buyer has raised the sum of \$1,000,000 in financing through the issuance of debt, equity or a combination of debt and equity securities of the Buyer ("Financing") but no later than December 31, 2011.

(ii) Buyer shall pay Seller the sum of \$175,000.00 at the time that Buyer has raised an additional \$1,000,000 in Financing (together with the Financing referred to in Section 2.A. (i) above, resulting in \$2,000,000 of total Financing), but no later than June 30, 2012.

(ii). Simultaneously with the execution of this Agreement, Buyer shall execute and deliver to Seller the Promissory Note attached hereto as Exhibit "A" and made a part hereof (the "Promissory Note").

B. Stock Warrants.

(i) Simultaneously with the execution of this Agreement, Buyer shall also issue to Seller warrants to purchase Two Hundred Fifty Thousand (250,000) shares of the common stock of Buyer with an exercise price of \$0.01 per share (the "Initial Warrants") in accordance with the Warrants Agreement attached hereto as Exhibit "B" and made a part hereof (the "Warrants Agreement").

(ii) In the event that the Promissory Note has not been paid in full on or before that date which is eighteen (18) months after the date of the Note, then Buyer shall also issue to Seller warrants to purchase an additional Ten Thousand (10,000)

shares of the common stock of Buyer with an exercise price of \$0.01 per share (the "First Additional Warrants") in accordance with the Warrants Agreement. In the event that the Promissory Note has not been paid in full on or before that date which is twenty (20) months after the date of the Note, then Buyer shall also issue to Seller warrants to purchase an additional Fifteen Thousand (15,000) shares of the common stock of Buyer with an exercise price of \$0.01 per share (the "Second Additional Warrants") in accordance with the Warrants Agreement.

3. Security Interest.

A. To secure performance of all of the obligations, the Company hereby pledges and grants to the Holder a security interest in the Collateral (as defined below) to secure payment and performance of the obligations of the Company to the Holder under this Note. The "Collateral" shall consist of (i) the Patents as defined in Recital B of this Agreement, and (ii) all Proceeds (as defined below) of the assets described in clause (i) of this subsection (A). "Proceeds" includes whatever is receivable or received when the Collateral or Proceeds is sold, collected, exchanged or otherwise disposed of, whether such disposition is voluntary or involuntary, and includes, without limitation, all rights to payment, including return premiums, with respect to any insurance relating thereto. The Holder is authorized to take such actions as are necessary to perfect the aforesaid security interests. At the request of the Holder, the Company agrees and covenants to use commercially reasonable efforts to procure, execute and deliver from time to time any endorsements, assignments, financing statements and other writings deemed necessary or appropriate by the Holder to perfect, maintain and protect its security interest and the priority thereof.

B. The Company agrees to maintain and protect the collateral by: avoiding misuse, abuse, waste and deterioration, except for ordinary wear and tear; insuring the collateral against all expected risks to which it is exposed, and by not selling, transferring or disposing of the Collateral or allowing it to become subject to any unpaid charge or lien, including tax obligations.

C. Upon the Company's repayment of the outstanding principal balance of the Promissory Note and all interest accrued and unpaid thereon, the Holder agrees and covenants that it will execute and deliver any agreement, financing statement termination or other writings necessary to release the security interest granted pursuant hereto.

4. Representations and Warranties.

A. Seller hereby represents and warrants as follows:

(i). Seller is the sole owner of the Patents.

(ii). Seller owns all rights, title and interest in and to the Patents free and clear of all claims, liens, liabilities and encumbrances of all kinds.

(iii). Seller is a limited liability company organized under the laws of the Commonwealth of Virginia and has all requisite power and authority to enter into and perform the terms of this Agreement and this Agreement has been authorized and approved by Seller as required by applicable law and when entered into by Buyer and Seller shall be legally binding and enforceable against Seller.

B. Buyer is a corporation organized under the laws of the State of Delaware and has all requisite power and authority to enter into and perform the terms of this Agreement and this Agreement has been authorized and approved by Seller as required by applicable law and when entered into by Buyer and Seller shall be legally binding and enforceable against Buyer.

5. General.

A. This Agreement is executed pursuant to and governed by the laws of the Commonwealth of Virginia, without regard to its principles of conflicts of laws.

B. This Agreement contains the complete agreement between the parties and supersedes any prior understandings, agreements or representations by or between the parties, written or oral, which may have related to the subject matter hereof in any way.

C. Seller agrees that it shall take all appropriate action and execute any documents, instruments or conveyances of any kind which may be reasonably necessary or advisable to carry out any of the provisions hereof, including, without limitation, any documents reasonably requested by Buyer to record Buyer as to the owner of record of the Patents in the United States Patent and Trademark Office.

WITNESS the execution hereof as of the Effective Date.

SELLER:

BUYER:

VZN CAPITAL, LLC

CARDIOLUMEN, INC.

By: John Monte
Title: Managing Member

By: William R. Gub
Title: President

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Gerard A. Alphonse, et al./VZN CAPITAL, LLCApplication No./Patent No.: 7,680,378Filed/Issue Date: 03/16/2010Titled: LOW REFLECTION LATERAL OUTPUT FIBER PROBEVZN CAPITAL, LLC, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)
- the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

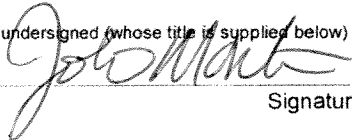
1. From: Gerard A. Alphonse, et al. To: MEDEIKON CORPORATION
The document was recorded in the United States Patent and Trademark Office at
Reel 019735, Frame 0977, or for which a copy thereof is attached.
2. From: MEDEIKON CORPORATION To: CARDIOVASCULAR SOLUTIONS, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 023870, Frame 0852, or for which a copy thereof is attached.
3. From: CARDIOVASCULAR SOLUTIONS, INC. To: VZN CAPITAL, LLC
The document was recorded in the United States Patent and Trademark Office at
Reel 024906, Frame 0907, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

October 28, 2011

Date

John Martin, Managing Member, VZN CAPITAL, LLC

Printed or Typed Name

(202) 256-8984

Telephone number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Donald B. Carlin, et al. /VZN CAPITAL, LLC

Application No./Patent No.: 7,717,624 Filed/Issue Date: 05/18/2010

Titled: CONNECTORS FOR MULTI FIBER OPTICAL PROBES

VZN CAPITAL, LLC, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)
the patent application/patent identified above by virtue of either:
A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

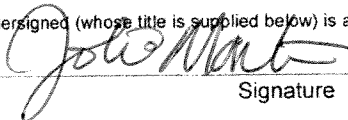
1. From: ALPHONSE, et al. To: MEDEIKON CORPORATION
The document was recorded in the United States Patent and Trademark Office at
Reel 019236, Frame 0482, or for which a copy thereof is attached.
2. From: MEDEIKON CORPORATION To: CARDIOVASCULAR SOLUTIONS, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 023870, Frame 0852, or for which a copy thereof is attached.
3. From: CARDIOVASCULAR SOLUTIONS, INC. To: VZN CAPITAL, LLC
The document was recorded in the United States Patent and Trademark Office at
Reel 024906, Frame 0907, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08)

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Signature

October 28, 2011
Date

John Martin, Managing Member, VZN CAPITAL, LLC
Printed or Typed Name

(202) 256-8984
Telephone number

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Ajgaonkar, et al. /VZN CAPITAL, LLC

Application No./Patent No.: 7,488,930 Filed/Issue Date: 02/10/2009

Titled: MULTI-CHANNEL LOW COHERENCE INTERFEROMETER

VZN CAPITAL, LLC, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

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(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)
- the patent application/patent identified above by virtue of either:
- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

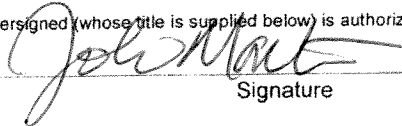
1. From: Ajgaonkar, et al. To: MEDEIKON CORPORATION
The document was recorded in the United States Patent and Trademark Office at
Reel 017954, Frame 0368, or for which a copy thereof is attached.
2. From: MEDEIKON CORPORATION To: CARDIOVASCULAR SOLUTIONS, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 023870, Frame 0852, or for which a copy thereof is attached.
3. From: CARDIOVASCULAR SOLUTIONS, INC. FKA MEDEIKON CORP. To: CANTOR COLBURN LLP (Attorney
Changing
Lien)
The document was recorded in the United States Patent and Trademark Office at
Reel 024170, Frame 0350, or for which a copy thereof is attached.

☒ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

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Signature

October 28, 2011
Date

John Martin, Managing Member, VZN CAPITAL, LLC

Printed or Typed Name

(202) 256-8984
Telephone number

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U.S. Patent No. 7,488,930

4. From CARDIOVASCULAR SOLUTIONS, INC. To: VZN CAPITAL, LLC

The Document was recorded in the United States Patent and Trademark Office at
Reel 024906, Frame 0907, or for which a copy thereof is attached.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Donald B. Carlin, et al. /VZN CAPITAL, LLC

Application No./Patent No.: 11/615,288 Filed/Issue Date: 12/22/2006

Titled: ACCURACY LUMEN SIZING AND STENT EXPANSION

VZN CAPITAL, LLC, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

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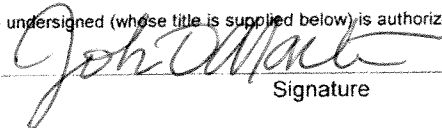
1. From: Donald B. Carlin, et al. To: MEDEIKON CORPORATION
The document was recorded in the United States Patent and Trademark Office at
Reel 019101, Frame 0050, or for which a copy thereof is attached.
2. From: MEDEIKON CORPORATION To: CARDIOVASCULAR SOLUTIONS, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 023870, Frame 0852, or for which a copy thereof is attached.
3. From: CARDIOVASCULAR SOLUTIONS, INC. To: VZN CAPITAL, LLC
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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Ajgaonkar, et al. /VZN CAPITAL, LLC

Application No./Patent No.: 7,869,054 Filed/Issue Date: 01/11/2011

Titled: POLARIZATION INSENSITIVE MULTIPLE PROBE

VZN CAPITAL, LLC, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

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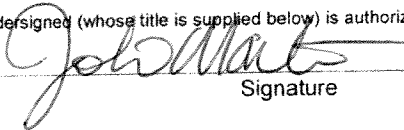
1. From: Ajgaonkar, et al. To: MEDEIKON CORPORATION
The document was recorded in the United States Patent and Trademark Office at
Reel 019728, Frame 0449, or for which a copy thereof is attached.
2. From: MEDEIKON CORPORATION To: CARDIOVASCULAR SOLUTIONS, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 023870, Frame 0852, or for which a copy thereof is attached.
3. From: CARDIOVASCULAR SOLUTIONS, INC. To: VZN CAPITAL, LLC
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Telephone number

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Gerard A. Alphonse, et al./VZN CAPITAL, LLC

Application No./Patent No.: 7,417,740 Filed/Issue Date: 08/26/2008

Titled: SINGLE TRACE MULTI-CHANNEL LOW COHERENCE INTERFEROMETRIC SENSOR

VZN CAPITAL, LLC, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

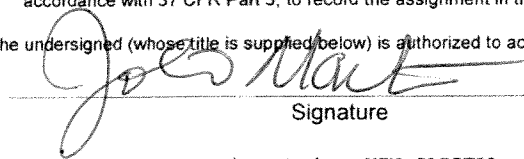
1. From: Gerard A. Alphonse, et al. To: MEDEIKON CORPORATION
The document was recorded in the United States Patent and Trademark Office at
Reel 015799, Frame 0290, or for which a copy thereof is attached.
2. From: MEDEIKON CORPORATION To: CARDIOVASCULAR SOLUTIONS, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 023870, Frame 0852, or for which a copy thereof is attached.
3. From: CARDIOVASCULAR SOLUTIONS, INC. To: VZN CAPITAL, LLC
The document was recorded in the United States Patent and Trademark Office at
Reel 024906, Frame 0907, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

October 26, 2011

Date

John Martin, Managing Member, VZN CAPITAL, LLC

Printed or Typed Name

(202) 256-8984

Telephone number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Gerard A. Alphonse, et al./VZN CAPITAL, LLC

Application No./Patent No.: 7,852,485 Filed/Issue Date: 12/14/2010

Titled: SINGLE TRACE MULTI-CHANNEL LOW COHERENCE INTERFEROMETRIC SENSOR

VZN CAPITAL, LLC, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)
the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

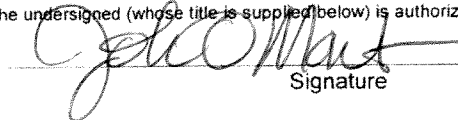
1. From: Gerard A. Alphonse, et al. To: MEDEIKON CORPORATION
The document was recorded in the United States Patent and Trademark Office at
Reel 015799, Frame 0290, or for which a copy thereof is attached.
2. From: MEDEIKON CORPORATION To: CARDIOVASCULAR SOLUTIONS, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 023870, Frame 0852, or for which a copy thereof is attached.
3. From: CARDIOVASCULAR SOLUTIONS, INC. To: VZN CAPITAL, LLC
The document was recorded in the United States Patent and Trademark Office at
Reel 024906, Frame 0907, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.


Signature

October 28, 2011

Date

John Martin, Managing Member, VZN CAPITAL, LLC

(202) 256-8984

Printed or Typed Name

Telephone number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Gerard A. Alphonse/VZN CAPITAL, LLC

Application No./Patent No.: 7,242,480 Filed/Issue Date: 07/10/2007

Titled: LOW COHERENCE INTERFEROMETRY FOR DETECTING AND CHARACTERIZING PLAQUES

VZN CAPITAL, LLC, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
 2. ☐ an assignee of less than the entire right, title and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
 3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)
- the patent application/patent identified above by virtue of either:
- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

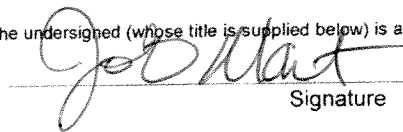
1. From: Gerard A. Alphonse To: MEDEIKON CORPORATION
The document was recorded in the United States Patent and Trademark Office at
Reel 016230, Frame 0708, or for which a copy thereof is attached.
2. From: MEDEIKON CORPORATION To: CARDIOVASCULAR SOLUTIONS, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 023870, Frame 0852, or for which a copy thereof is attached.
3. From: CARDIOVASCULAR SOLUTIONS, INC. FKA MEDEIKON CORP. To: CANTOR COLBURN LLP
The document was recorded in the United States Patent and Trademark Office at
Reel 024170, Frame 0350, or for which a copy thereof is attached.

☒ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.


Signature

October 28, 2011
Date

John Martin, Managing Member, VZN CAPITAL, LLC

(202) 256-8984

Printed or Typed Name

Telephone number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

U.S. Patent No. 7,242,480

4. From CARDIOVASCULAR SOLUTIONS, INC. To: VZN CAPITAL, LLC

The Document was recorded in the United States Patent and Trademark Office at
Reel 024906, Frame 0907, or for which a copy thereof is attached.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Gerard A. Alphonse/VZN CAPITAL, LLC

Application No./Patent No.: 7,474,408 Filed/Issue Date: 01/06/2009

Titled: LOW COHERENCE INTERFEROMETRY UTILIZING PHASE

VZN CAPITAL, LLC, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
 2. ☐ an assignee of less than the entire right, title and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
 3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)
- the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Gerard A. Alphonse To: MEDEIKON CORPORATION
The document was recorded in the United States Patent and Trademark Office at
Reel 018464, Frame 0570, or for which a copy thereof is attached.
2. From: MEDEIKON CORPORATION To: CARDIOVASCULAR SOLUTIONS, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 023870, Frame 0852, or for which a copy thereof is attached.
3. From: CARDIOVASCULAR SOLUTIONS, INC. FKA MEDEIKON CORP. To: CANTOR COLBURN LLP (Attorney
Charging
Lien)
The document was recorded in the United States Patent and Trademark Office at
Reel 024170, Frame 0350, or for which a copy thereof is attached.

☒ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

John Martin
Signature

October 28, 2011
Date

John Martin, Managing Member, VZN CAPITAL, LLC

(202) 256-8984

Printed or Typed Name

Telephone number

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

U.S. Patent No. 7,474,408

4. From CARDIOVASCULAR SOLUTIONS, INC. To: VZN CAPITAL, LLC

The Document was recorded in the United States Patent and Trademark Office at
Reel 024906, Frame 0907, or for which a copy thereof is attached.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Gerard A. Alphonse/VZN CAPITAL, LLC

Application No./Patent No.: 7,327,463 Filed/Issue Date: 02/05/2008

Titled: LOW COHERENCE INTERFEROMETRY UTILIZING MAGNITUDE

VZN CAPITAL, LLC, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)
- the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Gerard A. Alphonse To: MEDEIKON CORPORATION
The document was recorded in the United States Patent and Trademark Office at
Reel 015336, Frame 0223, or for which a copy thereof is attached.
2. From: MEDEIKON CORPORATION To: CARDIOVASCULAR SOLUTIONS, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 023870, Frame 0852, or for which a copy thereof is attached.
3. From: CARDIOVASCULAR SOLUTIONS, INC. FKA MEDEIKON CORP. To: CANTOR COLBURN LLP
The document was recorded in the United States Patent and Trademark Office at
Reel 024170, Frame 0350, or for which a copy thereof is attached.

(Attorney
Changing
Lien)

- ☒ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

John Martin
Signature

October 28, 2011
Date

John Martin, Managing Member, VZN CAPITAL, LLC

(202) 256-8984

Printed or Typed Name

Telephone number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

U.S. Patent No. 7,327,463

4. From CARDIOVASCULAR SOLUTIONS, INC. To: VZN CAPITAL, LLC

The Document was recorded in the United States Patent and Trademark Office at
Reel 024906, Frame 0907, or for which a copy thereof is attached.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Donald B. Carlin, et al. /VZN CAPITAL, LLC

Application No./Patent No.: 7,242,832 Filed/Issue Date: 07/10/2007

Titled: DEVICE FOR TISSUE CHARACTERIZATION

VZN CAPITAL, LLC, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title and interest in _____ %; or
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made) the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Donald B. Carlin, et al. To: MEDEIKON CORPORATION
The document was recorded in the United States Patent and Trademark Office at
Reel 016646, Frame 0955, or for which a copy thereof is attached.
2. From: MEDEIKON CORPORATION To: CARDIOVASCULAR SOLUTIONS, INC.
The document was recorded in the United States Patent and Trademark Office at
Reel 023870, Frame 0852, or for which a copy thereof is attached.
3. From: CARDIOVASCULAR SOLUTIONS, INC. To: VZN CAPITAL, LLC
The document was recorded in the United States Patent and Trademark Office at
Reel 024906, Frame 0907, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

John Martin
Signature

December 6, 2011
Date

John Martin, Managing Member, VZN CAPITAL, LLC
Printed or Typed Name

(202) 256-8984
Telephone number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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