

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5824076

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JAMES B. LAUDENSLAGER	01/09/2013
DEAN S. IRWIN	01/09/2013
RECEIVING PARTY DATA	
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State/Country:	CALIFORNIA
Postal Code:	92011
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16549516
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NAME OF SUBMITTER:	WILLIAM ANDERSON, REG. NO. 41585
SIGNATURE:	/William Anderson/
DATE SIGNED:	11/15/2019
Total Attachments: 5	
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ASSIGNMENT AND AGREEMENT

WHEREAS, James B. Laudenslager, Dean S. Irwin and Cesar M. Diaz, all of 1930 Kellogg Ave, Carlsbad, CA 92008; (hereinafter referred to singly and collectively as "Assignor") have invented a certain invention entitled **SMALL FLEXIBLE LIQUID CORE CATHETER FOR LASER ABLATION AND METHOD FOR USE** for which United States Patent Application No. 13/651,070 filed on October 12, 2012; and International Application No. PCT/US2012/060065, filed on October 12, 2012; and

WHEREAS, **RA MEDICAL SYSTEMS, INC.**, *BY DEAN IRWIN, CEO, RA MEDICAL SYSTEMS INC.* a corporation duly organized and existing under the laws of the State of California, and having its principal place of business at 1930 Kellogg Ave, Carlsbad, CA 92008, (hereinafter referred to as "Assignee") is desirous of acquiring the entire interest therein;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto Assignee, its successors, assigns and nominees, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application(s) and all other applications for patent and patents in any and all countries and jurisdictions for the above-identified invention or inventions and all improvements and modifications thereof, (c) all patents which may issue from said applications in any country or jurisdiction, (d) all divisions, continuations, reissues, and extensions of said applications and patents, and (e) the right to claim for any of said applications the full benefits and rights to priority resulting from filing any of the applications, including, without limitation, rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by Assignee, its successors, assigns and nominees, to the full end of the term or terms for which any and all such patents may be granted as fully and entirely as would have been held and enjoyed by Assignor had this Assignment not been made.

Assignor hereby authorizes and requests any official whose duty it is to issue patents to issue any patent on said invention, or improvement or modification thereof, or resulting therefrom, to Assignee as assignee of the entire interest, or its successors, assigns or nominees.

Assignor hereby agrees (a) to communicate to Assignee, its successors and assigns, or their representatives or agents, all facts and information known or available to Assignor respecting said invention or inventions, improvements, and modifications, including, without limitation, evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by Assignee; (b) to testify in person or by affidavit as required by Assignee, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by

Assignee, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to Assignee, its successors, assigns and nominees, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

Assignor hereby represents and warrants that (a) Assignor has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein to Assignee; (b) Assignor has no obligation to sell, assign or transfer any right, title or interest herein to an entity other than Assignee; (c) that Assignor has not executed and will not execute any document or instrument in conflict herewith; (d) no consents of any other parties are necessary or appropriate under any agreements regarding the inventions, applications or patents described above for the assignment of Assignor's entire right, title and interest herein to be legally effective; and (e) to the best of Assignor's knowledge, upon consummation of this Agreement, Assignee will have good and marketable title to the inventions, applications and patents described above, free and clear of any and all encumbrances, pledges, security interests, licenses or charges of any nature whatsoever.

Assignor hereby grants to the law firm of Grant Anderson LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Assignor understands and agrees that the attorneys and agents of the law firm of Grant Anderson LLP do not personally represent Assignor or Assignor's legal interests, but instead represent the interests of Assignee; since said attorneys and agents cannot provide legal advice to Assignor with respect to this Assignment, Assignor acknowledges its right to seek its own independent legal counsel.

[INTENTIONALLY LEFT BLANK]

Executed this 9 day of JANUARY, 2012. 2013

James B. Laudenslager
James B. Laudenslager

STATE OF CALIFORNIA)
) ss:
COUNTY OF SAN DIEGO)

On this 9th day of JANUARY 2013, before me, JASON FEINBERG,
Notary Public, personally appeared James B. Laudenslager who proved to me on the
basis of satisfactory evidence to be the person(s) whose name (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 the person(s), or the entity upon behalf of which the person(s) acted,
executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.



(Seal)

[Signature]
Notary Public in and for said County and State

My Commission Expires: OCTOBER 17, 2013

Executed this 9 day of JAN, ~~2012~~ ¹⁻⁹⁻¹³ 2013


Dean S. Irwin

STATE OF CALIFORNIA)
) ss:
COUNTY OF SAN DIEGO)

On this 9th day of JANUARY ²⁰¹³ 2012, before me, JASON FEINBERG,
Notary Public, personally appeared Dean S. Irwin who proved to me on the basis of
satisfactory evidence to be the person(s) whose name (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 the
person(s), or the entity upon behalf of which the person(s) acted, executed the
instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.




(Seal)


Notary Public in and for said County and State

My Commission Expires: OCTOBER 17, 2013

Executed this 17 day of Oct., 2012.


Cesar M. Diaz

United States patent application #: 13/651,070

NEVADA BR
STATE OF CALIFORNIA)
CLARK) ss: BR
COUNTY OF SANDIEGO)

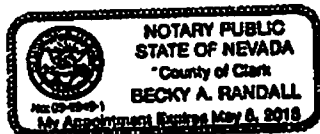
On this 17 day of Oct, 2012, before me, BECKY A. RANDALL
Notary Public, personally appeared Cesar M. Diaz who proved to me on the basis of
satisfactory evidence to be the person(s) whose name (s) is/are subscribed to the within
instrument and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity (ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the
instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Notary Public in and for said County and State

(Seal)



My Commission Expires: 5-8-13

ASSIGNMENT AND AGREEMENT
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10-17-12