

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4959810

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JAY D. CAPLAN	04/18/2008
HUWEI TAN	04/10/2008
RECEIVING PARTY DATA	
Name:	INFRAREDX, INC.
Street Address:	34 THIRD AVENUE
City:	BURLINGTON
State/Country:	MASSACHUSETTS
Postal Code:	01803
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15656582
CORRESPONDENCE DATA	
Fax Number:	(202)783-6031
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	2027836040
Email:	xsteele@rfem.com, pto-pta-email@rfem.com
Correspondent Name:	ROTHWELL, FIGG, ERNST & MANBECK
Address Line 1:	607 14TH ST., NW,
Address Line 4:	WASHINGTON, D.C. 20005
ATTORNEY DOCKET NUMBER:	3619-207.US2
NAME OF SUBMITTER:	RICHARD WYDEVEN (REG. NO. 39881)
SIGNATURE:	/Richard Wydeven/
DATE SIGNED:	05/14/2018
Total Attachments: 6	
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ASSIGNMENT

Whereas we, the undersigned,

Jay D. Caplan, a citizen of the United States of America, residing at 34 Clark Street, Belmont, MA 02478, USA;

Huwei Tan, a citizen of the People's Republic of China, residing at 163 Maple Street, Needham, MA 02492, USA;

hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

System and Method for Intravascular Structural Analysis Compensation of Chemical Analysis Modality

identified as Attorney Docket No. **0010.0016US1**, which application was filed on **April 3, 2008**, and assigned Application No. **12/062,188**; and

Whereas, **InfraReDx, Inc.**, having an office and a place of business at **34 Third Avenue, Burlington, MA 01803, USA** and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, reissue and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment on the date indicated next to our name.

Inventor's Signature: _____
[Handwritten Signature]

Name: **Jay D. Caplan**

Date: 4/18/08

State/Commonwealth
of Massachusetts
County of Middlesex

On this 18 day of April, 2008, before me, the undersigned notary public, personally appeared **Jay D. Caplan**, proved to me through satisfactory evidence of identification, which were personally known to me, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)



Notary Public *[Handwritten Signature: Rhonda M. Lally]*

My Commission expires 12/20/2013

Inventor's Signature: _____

Name: **Huwei Tan**

Date: _____

State/Commonwealth
of
County of

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared **Huwei Tan**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Notary Public

My Commission expires ____/____/____

ASSIGNMENT

Whereas we, the undersigned,

Jay D. Caplan, a citizen of the United States of America, residing at 34 Clark Street, Belmont, MA 02478, USA;

Huwei Tan, a citizen of the People's Republic of China, residing at 163 Maple Street, Needham, MA 02492, USA;

hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

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Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, reissue and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment on the date indicated next to our name.

Inventor's Signature:

Name: **Jay D. Caplan**

Date: _____

State/Commonwealth
of
County of

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared **Jay D. Caplan**, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Notary Public

My Commission expires ____/____/____

Inventor's Signature:

Name: **Huwei Tan**

Huwei Tan

Date: 4/10/08

State/Commonwealth
of Massachusetts
County of Middlesex

On this 10th day of April, 2008, before me, the undersigned notary public, personally appeared **Huwei Tan**, proved to me through satisfactory evidence of identification, which were Personal Knowledge, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Notary Public

Amy Crawford

My Commission expires 12/12/08

