

09-24-2004

U.S. DEPARTMENT OF

Patent and Trademark Office

To the Honorable Commissioner of Patent.

102844368

and original documents or copy thereof.

1. Name of conveying party(ies):

James Agutter, Noah Syroid, Julio C. Bermudez, Yinqi Zhang,
Michael E. Holmes, Frank Drews, David Lee Strayer, Robert
William Albert, and Dwayne R. WestenskowAdditional name(s) of conveying parties attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____

Execution Date: 7/1/04, 6/29/04, 8/25/04, 7/8/04, 6/28/04, and 7/28/04

2. Name and address of receiving party(ies)

Name: University of Utah

Internal Address: _____

Street Address: 615 Arapeen Dr., Suite 110Salt Lake City, UT 84108Additional Name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No(s).

10/846,956

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Steve M. PerryMailing Address: Thorpe, North & Western, LLPP.O. Box 1219Sandy, UT 84091-1219Street Address: 8180 South 700 EastCity: Sandy State: Utah Zip: 840706. Total number of applications and patents involved: 1

7. Total fee (27 CFR 3.41) \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

20-0100 (Deficiencies Only)

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Steve M. Perry

Name of Person Signing

Signature

Date

Total number of pages including this cover sheet, attachments, and document: 13

Mail documents to be recorded with required cover sheet information to:

09/21/2004 SSITHIB1 00000072 200100 10846956

09/21/2004

40.00 DP

Mail Stop Assignment
Recordation Services
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450PATENT
REEL: 015804 FRAME: 0908

Steve M. Perry
THORPE NORTH & WESTERN, LLP
P.O. BOX 1219
SANDY, UTAH 84091-1219

ASSIGNMENT

WHEREAS, We,

James Agutter
Residence: (City, State): Salt Lake City, Utah
Post Office Address: 835 E. 600 S.
Salt Lake City, Utah 84102

Noah Syroid
Residence: (City, State): Salt Lake City, Utah
Post Office Address: 3611 E. Kings Hill Circle
Salt Lake City, Utah 84121

Julio C. Bermudez
Residence: (City, State): Salt Lake City, Utah
Post Office Address: ~~133 Third Avenue, Apt. 5~~ 1280 E South Temple, Apt E
Salt Lake City, Utah 84102 JB

Yinqi Zhang
Residence: (City, State): Salt Lake City, Utah
Post Office Address: 402 University Village
Salt Lake City, Utah 84108

Michael E. Holmes
Residence: (City, State): Muncie, Indiana
Post Office Address: 301 S. Walnut St. #303
Muncie, Indiana 47305-2310

Frank Drews
Residence: (City, State): Salt Lake City, Utah
Post Office Address: 3432 So. Crestwood Dr.
Salt Lake City, Utah 84109

David Lee Strayer
Residence: (City, State): Salt Lake City, Utah
Post Office Address: 336 F Street
Salt Lake City, Utah 84103

Residence: (City, State): Robert William Albert
Post Office Address: Salt Lake City, Utah
682 E. 12th Ave.
Salt Lake City, Utah 84103

Residence: (City, State): Dwayne R. Westenskow
Post Office Address: Salt Lake City, Utah
3439 Winesap Road
Salt Lake City, Utah 84121

(hereinafter "Assignors") have invented a certain new and useful improvement in a METHOD AND APPARATUS FOR MONITORING DYNAMIC CARDIOVASCULAR FUNCTION USING N-DIMENSIONAL REPRESENTATIONS OF CRITICAL FUNCTIONS for which a non-provisional application for United States Letters Patent was filed on May 14, 2004 as THORPE NORTH & WESTERN, LLP Docket No. 22843.CIP, and given U.S. Patent Application Serial No. 10/846,956; and

WHEREAS, University of Utah, an institution of higher education and a nonprofit organization organized and existing under the laws of the State of Utah, located at Salt Lake City, UT (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency whereof is hereby acknowledged, we the said Assignors, hereby grant and assign unto the said Assignee, our entire right, title and interest in said invention and in all patent applications based thereon, including but not limited to the above identified United States Patent Application and in all nonprovisionals, divisions, continuations, and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries; the right, power and authority to file and prosecute U.S. and foreign patent applications on said invention, and to do so in its own name wherever such right may be legally exercised, and including the right to claim the priority and benefits of the International Convention for such applications; and the right to bring actions for infringement of any right in said invention in its own name, including past infringement, in any jurisdiction.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all Letters Patent on said invention to the said Assignee as the owner of our entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, nonprovisional, divisional, substitution, reissue, and other United States and foreign patent applications on said invention, and all lawful documents as requested by the Assignee to further the prosecution of any of such patent applications; cooperation to the best of our ability including, but not limited to, the execution of all lawful documents, the production of evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissuing, extension, and infringement proceedings involving said invention.

Assignment

US Patent Application No. 10/846,956

Attorney Docket No. 22843.CIP

This assignment and agreement shall be binding upon our heirs and legal representatives.

Signed at Salt Lake City, UT, this 1 day of July, 2004.
city, state, country (if not USA) day month year

Signed:

James Agutter

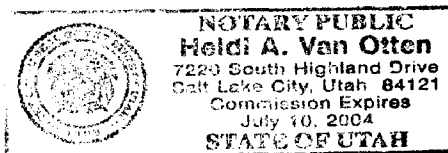
STATE OF Utah

: ss

County of Salt Lake

Before me personally appeared James Agutter and acknowledged the foregoing instrument to be his/her free act and deed this 1st day of July, 2004.

Heidi A. Van Otten
Notary Public



This assignment and agreement shall be binding upon our heirs and legal representatives.

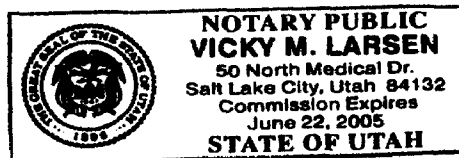
Signed at Salt Lake City, UT, this 29th day of June, 2004.
city, state, country (if not USA) day month year
Salt L.

Signed: [Signature]
Noah Syroid

STATE OF Utah
: SS
County of Salt Lake

Before me personally appeared Noah Syroid and acknowledged the foregoing instrument to be his/her free act and deed this 29th day of June, 2004.

[Signature]
Notary Public



Assignment

US Patent Application No. 10/846,956

Attorney Docket No. 22843.CIP

This assignment and agreement shall be binding upon our heirs and legal representatives.

Signed at Salt Lake City State of Utah, this 25th day of August, 2004.
city, state, country (if not USA) day month year

Signed: _____

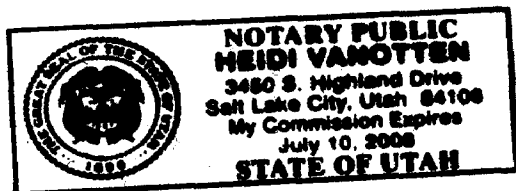
Julio C. Bermudez

STATE OF Utah)

: ss

County of Salt Lake

Before me personally appeared Julio C. Bermudez and acknowledged the foregoing instrument to be his/her free act and deed this 25th day of Aug., 2004.



Heidi VanOtten
Notary Public

This assignment and agreement shall be binding upon our heirs and legal representatives.

Signed at Salt Lake City, Utah, this 1 day of Jul, 2004.
city, state, country (if not USA) day month year

Signed: _____

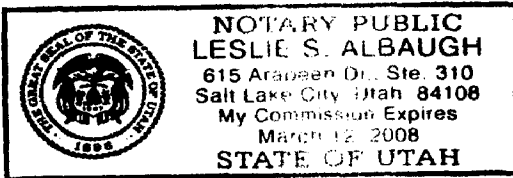
Yinqi Zhang
Yinqi Zhang

STATE OF UT

: SS

County of Salt Lake

Before me personally appeared Yinqi Zhang and acknowledged the foregoing instrument to be his/her free act and deed this 1st day of July, 2004.



Leslie S. Albaugh
Notary Public

Assignment
US Patent Application No. 10/846,956
Attorney Docket No. 22843.CIP

This assignment and agreement shall be binding upon our heirs and legal representatives.

Signed at Muncie, Indiana, this 8th day of July, 2004.
city, state, country (if not USA) day month year

Signed: _____

Michael E. Holmes

STATE OF Ind

: ss

County of Delaware

Before me personally appeared Michael E. Holmes and acknowledged the foregoing instrument to be his/her free act and deed this 8th day of July, 2004.

Dorothy L. Maxwell
Notary Public

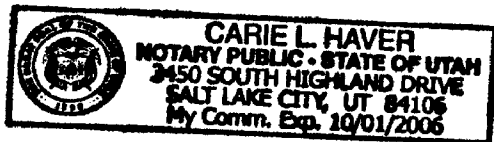
This assignment and agreement shall be binding upon our heirs and legal representatives.

Signed at Salt Lake City, this 1 day of July, 2004.
city, state, country (if not USA) day month year

Signed: [Signature]
Frank Drews

STATE OF Utah
County of Salt Lake : ss

Before me personally appeared Frank Drews and acknowledged the foregoing instrument to be his/her free act and deed this 1 day of July, 2004.



[Signature]
Notary Public

Assignment

US Patent Application No. 10/846,956

Attorney Docket No. 22843.CIP

This assignment and agreement shall be binding upon our heirs and legal representatives.

Signed at Salt Lake City, UT, this 28 day of June, 2004.
city, state, country (if not USA) day month year

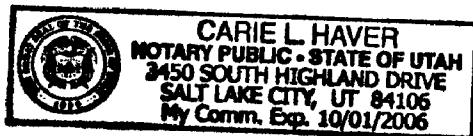
Signed: [Signature]
David Lee Strayer

STATE OF Utah

: ss

County of Salt Lake

Before me personally appeared David Lee Strayer and acknowledged the foregoing instrument to be his/her free act and deed this 28 day of June, 2004.



[Signature]
Notary Public

Assignment

US Patent Application No. 10/846,956

Attorney Docket No. 22843.CIP

This assignment and agreement shall be binding upon our heirs and legal representatives.

Signed at Salt Lake City, Utah, this 28th day of July, 2004.
city, state, country (if not USA) day month year

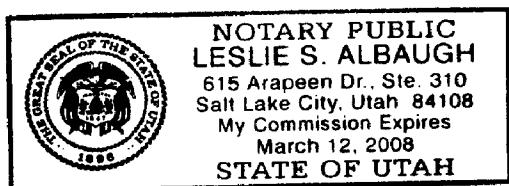
Signed: 
Robert William Albert

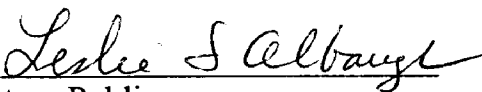
STATE OF Utah)

: ss

County of Salt Lake)

Before me personally appeared Robert William Albert and acknowledged the foregoing instrument to be his/her free act and deed this 28th day of July, 2004.




Notary Public

Assignment

US Patent Application No. 10/846,956

Attorney Docket No. 22843.CIP

Signed at Salt Lake City, UT, this 8 day of July, 2004.
city, state, country (if not USA) day month year

Signed: Dwayne R. Westenskow
Dwayne R. Westenskow

STATE OF Utah

: ss

County of Salt Lake

Before me personally appeared Dwayne R. Westenskow and acknowledged the foregoing instrument to be his/her free act and deed this 8th day of July, 2004.

Vicky M. Larsen
Notary Public

