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Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies):

Zhaowei Liu and Thomas E. Kane

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

SpectruMedix LLC

2124 Old Gatesburg Road  
State College, PA 16803

3. Nature of conveyance:

- ☒ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other:

Execution Date: 07/28/2005

Additional names/addresses attached? ☐ Yes ☒ No

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

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

A. Patent Application No(s):

11/103,356

B: Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

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

TIMOTHY A. FRENCH  
Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110

6. Total number of applications/patents involved:

7. Total fee (37 CFR §3.41): \$40

- ☒ Enclosed  
☐ Authorized to charge Deposit Account.

8. Deposit Account No.: 06-1050

Please apply any additional charges, or any credits, to our  
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Julius C. Fister, III, Ph.D.  
Reg. No. 46,702  
Name of Person Signing

Signature

Date

Total number of pages including coversheet, attachments and document: 4

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Mail Stop Assignment Recordation Services, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

August 2, 2005  
Date of Deposit

Signature

Toni M. Sousa  
Typed Name of Person Signing Certificate

PATENT  
REEL: 016832 FRAME: 0542

Attorney Docket No: 16969-039001

ASSIGNMENT


For valuable consideration, we, Zhaowei Liu, of Port Matilda, PA and Thomas E. Kane, of State College, PA; hereby assign to: SPECTRUMEDIX LLC, a corporation of Delaware, having a place of business at: 2124 Old Gatesburg Road, State College, PA 16803, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled METHOD FOR SIZING POLYNUCLEOTIDES USING ELECTROPHORESIS WITH NON-DNA SIZE STANDARDS, filed April 11, 2005, and assigned U.S. Serial Number 11/103,356; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Assignment Page 1 of 3

PATENT  
REEL: 016832 FRAME: 0543


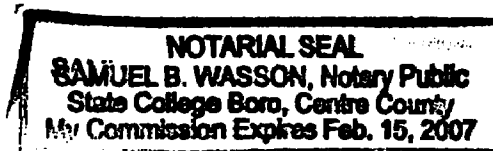
Attorney Docket No: 16969-039001

DATE:

July 28, 2005  
ZHAOWEI LIUSTATE OF Penn )COUNTY OF Centre ) SS.

On July 28, 2005, before me, the undersigned, a notary public for the State of Penn, there personally appeared ZHAOWEI LIU personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

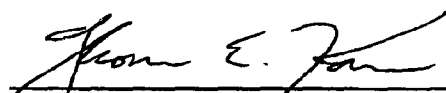
WITNESS my hand and official seal.

  
Notary Public

Assignment Page 2 of 3

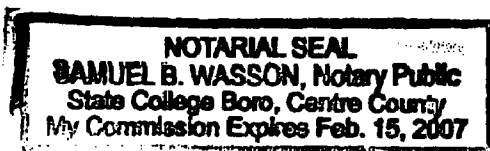
PATENT  
REEL: 016832 FRAME: 0544

Attorney Docket No: 16969-039001

DATE: July 28 2005  
THOMAS E. KANESTATE OF Penna )  
COUNTY OF Centre ) SS.

On July 28 2005, before me, the undersigned, a notary public for the State of Penna, there personally appeared THOMAS E. KANE personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

  
Notary Public

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Assignment Page 3 of 3

RECORDED: 08/02/2005

PATENT  
REEL: 016832 FRAME: 0545