

10-11-2002

~~CONFIDENTIAL~~

Form PTO-1595

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102247922

U.S. Department of Commerce

Docket No. 064693-0023 (20441-17)

PATENTS ONLY

To the Hon. Commissioner of Patents & Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Vasilis Z. MarmarelisAdditional name of conveying party attached? ☐ Yes ☒ No

10.9.02

2. Name and address of receiving party(ies)

Name Alfred E. Mann Institute for Biomedical Engineering
at the University of Southern California

Internal Address: _____

Street Address: 1042 Downey WayDRB B21City: Los Angeles State CA ZIP 90089-1112Additional name(s) and address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other _____Execution Date: April 5, 2002

4. Application number(s) or patent numbers:

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

A. Patent Application No.(s) 10/117,763

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name _____

McDERMOTT, WILL & EMERYInternal Address: 34th FloorStreet Address 2049 Century Park EastCity: Los Angeles State CA ZIP 900676. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$40.00☒ Enclosed☒ Any discrepancy or overpayment is authorized to be charged to deposit account

8. Deposit Account number:

501946

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

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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.*Marc E. Brown

Name of Person Signing

Signature

Date

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

4/5/02

4-8-02

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| Form PTO-1595 | | U.S. Department of Commerce | |
|---|--|--|--|
| Docket No. 20441-17 PATENTS ONLY | | To the Hon. Commissioner of Patents | |
| 1. Name of conveying party(ies): Vasilis Z. Marmarelis | | 2. Name and address of receiving party(ies) Name <u>Alfred E. Mann Institute for Biomedical Engineering</u> <u>at the University of Southern California</u> | |
| Additional name of conveying party attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Internal Address: _____ | |
| 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ | | Street Address: <u>1042 Downey Way</u> <u>DRB B21</u> City: <u>Los Angeles</u> State <u>CA</u> ZIP <u>90089-1112</u> | |
| Execution Date: <u>April 5, 2002</u> | | Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| 4. Application number(s) or patent numbers: If this document is being filed together with a new application, the execution date of the application is: <u>April 5, 2002</u> A. Patent Application No.(s) <u>10/117,763</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| 5. Name and address party to whom correspondence concerning document should be mailed: Name <u>Marc E. Brown</u> <u>Oppenheimer Wolff & Donnelly LLP</u> Internal Address: <u>38th Floor</u> Street Address: <u>2029 Century Park East</u> City: <u>Los Angeles</u> State <u>CA</u> ZIP <u>90067</u> | | 6. Total number of applications and patents involved: <u>1</u> | |
| 04/12/2002 TBI/21 00000158 C.BERMAN 01 FC:501 40.00 DP | | 7. Total fee (37 CFR 3.41) <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Any discrepancy or overpayment is authorized to be charged to deposit account | |
| | | 8. Deposit Account number: <u>16-2230</u> (Attach duplicate copy of this page if paying by deposit account) | |
| | | DO NOT USE THIS SPACE | |
| 9. Statement and signature. <i>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.</i> Name of Person Signing <u>Charles Berman, Esq.</u> Signature <u>[Signature]</u> Date <u>April 5, 2002</u> Total number of pages including cover sheet, attachments, and document: <u>2</u> | | | |

4/5/02

4-8-02

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04-15-2002



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Form PTO-1505

U.S. Department of Commerce

Docket No. 20441-17 PATENTS ONLY
To the Hon. Commissioner of Patents1. Name of conveying party(ies):
Vasilis Z. MarmarelisAdditional name of conveying party attached? Yes ☒ No

3. Nature of conveyance:

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

Execution Date: April 5, 2002

Name and address of receiving party(ies)

Name Alfred E. Mann Institute for Biomedical Engineering
at the University of Southern California

Internal Address:

Street Address: 1042 Downey WayDRB B21City: Los Angeles State CA ZIP 90089-1112Additional name(s) and address(es) attached? Yes ☒ No

4. Application number(s) or patent numbers:

If this document is being filed together with a new application, the execution date of the application is: April 5, 2002.

A. Patent Application No.(s)

10/117,763

B. Patent No.(s)

Additional numbers attached? Yes ☒ No

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

Name Marc E. BrownOppenheimer Wolff & Donnelly LLPInternal Address: 38th FloorStreet Address 2029 Century Park EastCity: Los Angeles State CA ZIP 900676. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$40.00☒ Enclosed☒ Any discrepancy or overpayment is authorized to be charged to deposit account

8. Deposit Account number:

16-2230

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

04/12/2002 TBIAZI 00000158 C. BERMAN

01 FC:581

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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.

Charles Berman, Esq.

Name of Person Signing

Signature

April 5, 2002

Date

Total number of pages including cover sheet, attachments, and document: 2

LA: 3217 v01 07/30/2001

LA: 318435 v01 04/04/2002

PATENT
REEL: 13361 FRAME: 0827

Docket No. 20441-17

ASSIGNMENT

WHEREAS, I, Vasilis Z. Marmarelis, the undersigned inventor (ASSIGNOR), have invented HIGH RESOLUTION 3D ULTRASONIC TRANSMISSION IMAGING, for which I am about to file application for letters patent of the United States. I have executed the application concurrently with executing this assignment. I am sole owner of this invention and improvements.

WHEREAS, Alfred E. Mann Institute for Biomedical Engineering at the University of Southern California, (ASSIGNEE) is a corporation organized and existing under the laws of California, having a place of business at University of Southern California, 1042 Downey Way DRB B21, Los Angeles, CA 90089-1112. ASSIGNEE desires to acquire the entire right, title and interest in and to the inventions, applications and letters patent to be granted and issued for the inventions and applications.

NOW, THEREFORE, for and in consideration of valuable consideration by the ASSIGNEE to me paid, the receipt and legal sufficiency of all of which I acknowledge, I, the ASSIGNOR, have sold and do hereby sell, assign, transfer and set over unto the ASSIGNEE, its successors and assigns, the entire right, title and interest:

in and to the inventions,

in and to the application for letters patent thereon,

in and to applications pertaining to or based upon the inventions and applications, including divisional and continuing applications and continuations-in-part,

in and to any and all letters patent which may be granted and issued on the inventions and applications, or any of them, not only for, to and in the United States of America, its territories and possessions, but for, to and in all foreign countries, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment, and

in and to any right to sue for past infringement of the inventions, improvements, applications and letters patent.

And for the above-named consideration, I agree that I will, at the request of the ASSIGNEE, execute any and all applications for letters patent for the inventions and any and all other papers and documents and do all other and further lawful acts that the ASSIGNEE may deem necessary or desirable to obtain letters patent on the inventions, to secure the grant of such letters patent and to perfect and vest in the ASSIGNEE the entire right, title and interest in the inventions, applications and letters patent.

And for the above-named consideration, I authorize and empower the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, letters patent for the inventions before competent International Authorities including the World Intellectual Property Organization and in any and all foreign countries in which applications for letters patent can be so made or letters patent so obtained.

Dated: April 5, 2002


Vasilis Z. Marmarelis
Address: 26 Whistler Court, Irvine, CA 92612

State of California)
) ss.
County of Los Angeles)

On _____, 2002, before _____ personally appeared _____, ☐ personally known to me or ☐ 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.

WITNESS my hand and official seal.

Notary Public

(SEAL)

LA: 318435 v01 04/04/2002

PATENT
REEL: 13361 FRAME: 0828

Docket No. 20441-17

ASSIGNMENT

WHEREAS, I, Vasilis Z. Marmarelis, the undersigned inventor (ASSIGNOR), have invented HIGH RESOLUTION 3D ULTRASONIC TRANSMISSION IMAGING, for which I am about to file application for letters patent of the United States. I have executed the application concurrently with executing this assignment. I am sole owner of this invention and improvements.

WHEREAS, Alfred E. Mann Institute for Biomedical Engineering at the University of Southern California, (ASSIGNEE) is a corporation organized and existing under the laws of California, having a place of business at University of Southern California, 1042 Downey Way DRB B21, Los Angeles, CA 90089-1112. ASSIGNEE desires to acquire the entire right, title and interest in and to the inventions, applications and letters patent to be granted and issued for the inventions and applications.

NOW, THEREFORE, for and in consideration of valuable consideration by the ASSIGNEE to me paid, the receipt and legal sufficiency of all of which I acknowledge, I, the ASSIGNOR, have sold and do hereby sell, assign, transfer and set over unto the ASSIGNEE, its successors and assigns, the entire right, title and interest:

in and to the inventions,

in and to the application for letters patent thereon,

in and to applications pertaining to or based upon the inventions and applications, including divisional and continuing applications and continuations-in-part,

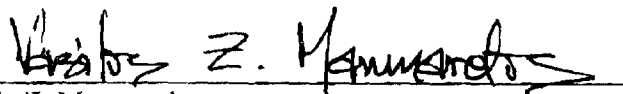
in and to any and all letters patent which may be granted and issued on the inventions and applications, or any of them, not only for, to and in the United States of America, its territories and possessions, but for, to and in all foreign countries, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment, and

in and to any right to sue for past infringement of the inventions, improvements, applications and letters patent.

And for the above-named consideration, I agree that I will, at the request of the ASSIGNEE, execute any and all applications for letters patent for the inventions and any and all other papers and documents and do all other and further lawful acts that the ASSIGNEE may deem necessary or desirable to obtain letters patent on the inventions, to secure the grant of such letters patent and to perfect and vest in the ASSIGNEE the entire right, title and interest in the inventions, applications and letters patent.

And for the above-named consideration, I authorize and empower the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, letters patent for the inventions before competent International Authorities including the World Intellectual Property Organization and in any and all foreign countries in which applications for letters patent can be so made or letters patent so obtained.

Dated: April 5, 2002



Vasilis Z. Marmarelis

Address: 26 Whistler Court, Irvine, CA 92612

State of California)
) ss.
 County of Los Angeles)

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WITNESS my hand and official seal.

(SEAL)

 Notary Public

LA: 318435 v01 04/04/2002

RECORDED: 10/09/2002

PATENT
REEL: 13361 FRAME: 0829