

02-25-2004

orney Docket No. 020222-001200US

Form PTO-1595

(Rev. 10-02)

OMB No. 0651-0027 (exp. 5/31/2002)



102679007

U.S. Department of Commerce  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Thomas L. Moore  
Robert Henry BarterAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No.

## 3. Nature of conveyance:

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

Execution Date: May 2, 2003 (Moore); April 23, 2003  
(Barter)

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

Name: Barbara Ann Karmanos Cancer Institute

Street Address: 110 East Warren Street

City: Detroit State: MI ZIP: 48201

Additional name(s) and 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): 10/323,866

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Chad E. King  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, Eighth Floor  
San Francisco, California 94111-3834  
(415) 576-0200

## 6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): -----\$40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number: **20-1430**

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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.*Chad E. King  
Name of Person Signing  
Atty. Reg. No. 44,187

Signature

Date

Total number of pages including cover sheet, attachments and documents:

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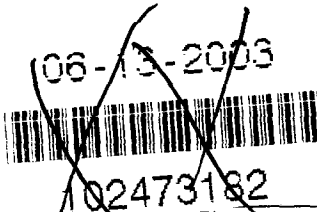
Form **PTO-1595**

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Thomas L. Moore

6-9-03

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No.

3. Nature of conveyance:

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

2. Name and address of receiving party(ies)

Name: Barbara Ann Karmanos Cancer Institute

Internal Address:

Street Address: 110 East Warren Street

City: Detroit State: MI ZIP: 48201

Additional name(s) and address(es) attached? ☐ Yes ☒ No

Execution Date: April 23, 2003 and May 2, 2003

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): 10/323,866

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Chad E. King  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
(303) 571-4000

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): -----\$40.00

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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.*

Chad E. King

Name of Person Signing  
Atty. Reg. No. 44,187

Signature

June 6, 2003  
Date

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1. Additional name(s) of conveying party(ies):  
(Continued from Page 1)

Robert Henry Barter

2. Additional name(s) and address(es) of receiving party(ies):  
(Continued from Page 1)

3. Additional application number(s) or patent number(s):  
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

DE 7106684 v1

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Thomas L. Moore of 5466 Goldenrod Drive, Livermore, CA 94550; Robert Henry Barter of 400 Capricorn Avenue, Oakland, CA 94611 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:           **METHODS AND SYSTEMS FOR USING REFERENCE  
IMAGES IN ACOUSTIC IMAGE PROCESSING**

Date(s) of execution of Declaration: May 1, 2003 and April 23, 2003

Filing Date:                 December 18, 2002

Application No.:           10/323,866; and

WHEREAS, Barbara Ann Karmanos Cancer Institute, a corporation of the state of Michigan, located at 110 East Warren Street, Detroit, MI, 48201, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;


For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 5/02/03

  
Thomas L. Moore

STATE OF California )  
COUNTY OF Alameda )

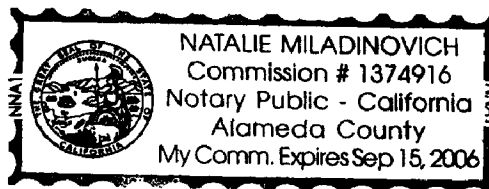
ss.

On May 2, 2003, before me, Natalie Miladinovich, Notary,  
personally appeared Thomas L. Moore, ~~personally known to me~~ (or proved to me on the  
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on  
the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

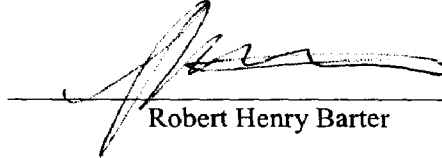
WITNESS my hand and official seal.

Natalie Miladinovich  
NOTARY PUBLIC

My Commission Expires: Sep. 15, 2006



Dated: 4/23/03

  
Robert Henry Barter

STATE OF CALIFORNIA )  
 )  
COUNTY OF ALAMEDA ) ss.

On April 24, 2003, before me, VERONICA D. BELTRAN,  
personally appeared Robert Henry Barter, personally known to me (or proved to me on the  
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on  
the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

  
NOTARY PUBLIC

My Commission Expires: Oct. 6, 2004

DE 7094977 v1

