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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office  
Attorney Docket No. 22253-71212

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

1. Name of conveying parties: **8-14-03**  
James BAUMGARDNER

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

3. Nature of Conveyance:

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

Execution date(s): 08/05/2003

2. Name and address of receiving party(ies):  
Name: The Trustees of the University of Pennsylvania

Street Address: 3160 Chestnut Street, Suite 204

City: Philadelphia State: PA Zip: 19104

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

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2003 AUG 14 PM 3:18  
FINANCE SECTION

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

A. Patent Application No.(s): 10/071,435

B. Patent No.(s):

Additional numbers attached?  Yes  No

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

Evelyn H. McConathy, Esquire  
DILWORTH PAXSON LLP  
3200 Mellon Bank Center  
1735 Market Street  
Philadelphia, PA 19130

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 No. 50-0979

**DO NOT USE THIS SPACE**

9. Signature

Evelyn H. McConathy, Reg. No 35,279

Name of Person Signing/Registration No.

*Evelyn H. McConathy*  
Signature

August 11, 2003

Date

Total number of pages including cover sheet, attachments and documents: 5

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to the undersigned INVENTOR(S) (the Assignors), the undersigned hereby sell and assign their entire right, title and interest to THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA (the Assignee), a non-profit corporation organized and existing under the laws of the Commonwealth of Pennsylvania having its principal place of business at 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104 for

*Check applicable box(es):*       the United States of America (as defined in 35 U.S.C. § 100),  
    and throughout the world,

in the invention known as EQUILIBRATION METHOD FOR HIGH RESOLUTION IMAGING OF LUNG COMPLIANCE AND DISTRIBUTION OF FUNCTIONAL RESIDUAL CAPACITY, filed February 8, 2002 (also known as U.S. Application Serial No. 10/071,435), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisionals and continuing applications thereof to the full end of the term or terms for which such Letters Patent(s) issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree to execute all papers necessary in connection with the application and any continuing, divisional, reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree to execute all papers necessary in connection with any interference that may be declared concerning the application or any continuing, divisional, reissue or reexamination applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

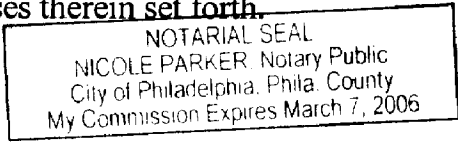
The undersigned hereby represent that they have full right to convey undersigned entire interest herein assigned, and that they have not executed, and will not execute, any agreement in conflict therewith.

IN WITNESS WHEREOF, executed by the undersigned on the dates opposite their names.

Date: 8/5/03 Signature of Inventor: *James Baumgardner*  
JAMES BAUMGARDNER

Commonwealth of Pennsylvania:  
COUNTY of Philadelphia: SS

On this 5<sup>th</sup> day of August 2003, before me personally came the above JAMES BAUMGARDNER, known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that (s)he executed the same of his/her own free will for the use and purposes therein set forth.



*Nicole Parker*  
Notary Public

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
DAVID LIPSON

Commonwealth of Pennsylvania:  
COUNTY of \_\_\_\_\_: SS

On this \_\_\_\_ day of \_\_\_\_\_ 2003, before me personally came the above DAVID LIPSON, known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that (s)he executed the same of his/her own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
RAHIM RIZI

Commonwealth of Pennsylvania:

SS

COUNTY of \_\_\_\_\_:

On this \_\_\_\_ day of \_\_\_\_\_ 2003, before me personally came the above RAHIM RIZI, known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that (s)he executed the same of his/her own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
DAVID ROBERTS

Commonwealth of Pennsylvania:

SS

COUNTY of \_\_\_\_\_:

On this \_\_\_\_ day of \_\_\_\_\_ 2003, before me personally came the above DAVID ROBERTS, known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that (s)he executed the same of his/her own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
MITCHELL SCHNALL

Commonwealth of Pennsylvania:

SS

COUNTY of \_\_\_\_\_:

On this \_\_\_\_ day of \_\_\_\_\_ 2003, before me personally came the above MITCHELL SCHNALL, known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that (s)he executed the same of his/her own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public