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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

PATENTS ONLY

FORM PTO-1595 (Modified)  
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Tab settings

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

1. Name of conveying party(ies):  
**JOHN E. SUTTON**  
**DOUGLAS T. GJERDE**  
**PAUL D. TAYLOR**

Additional names(s) of conveying party(ies)  Yes  No

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

Name: WILLIAM B. WALKER

Address: TRANSGENOMIC, INC.  
2032 CONCOURSE DRIVE

City: SAN JOSE State/Prov.: CA  
Country: USA ZIP: 95131

Additional name(s) & address(es)  Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: 07/25/2000

4. Application number(s) or registration numbers(s):

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

Patent Application No.	Filing date	B. Patent No.(s)
<u>09/580,302</u>	<u>05/26/2000</u>	

Additional numbers  Yes  No

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

Name: WILLIAM B. WALKER

Registration No. 22,498

Address: TRANSGENOMIC, INC.  
2032 CONCOURSE DRIVE

City: SAN JOSE State/Prov.: CA  
Country: USA ZIP: 95131

6. Total number of applications and patents involved: 1


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

Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
 Authorized to be charged to deposit account

8. Deposit account number:  
50-0821

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.*

WILLIAM B. WALKER  JULY 31, 2000

Name of Person Signing Signature Date

**New Attorney Docket No. P-454**

**UNITED STATES PATENT AND TRADEMARK OFFICE**

Assignee: Transgenomic, Inc.	:	Examiner:	N/A
Serial No.: 09/580,302	:	Art Unit:	N/A
Filing Date: 05/26/2000	:		

Title: MIPC CHROMATOGRAPHIC APPARATUS WITH IMPROVED TEMPERATURE CONTROL

Box ASSIGNMENTS  
Assistant Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

**ASSIGNMENT**

**KNOW ALL MEN BY THESE PRESENTS**, that Whereas we John E. Sutton, Douglas T. Gjerde, and Paul D. Taylor, invented certain new and useful improvements in **MIPC CHROMATOGRAPHIC APPARATUS WITH IMPROVED TEMPERATURE CONTROL**, and have disclosed the same in an application for Letters Patent, Serial No. **09/580,302**, filed in the United States Patent and Trademark Office on **05/26/2000**; and

**WHEREAS TRANSGENOMIC, INC.**, a corporation duly organized and existing under the laws of **DELAWARE**, and having a post office address at **2032 CONCOURSE DRIVE, SAN JOSE, CA 95131** is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the United States Patent and Trademark Office;

**NOW THEREFORE**, in consideration of the sum of one dollar (\$1.00) and other good and valuable considerations to us by **TRANSGENOMIC, INC.**, the receipt whereof is hereby acknowledged, We do hereby sell, assign, transfer and set over unto **TRANSGENOMIC, INC.**, its successors and assigns, the entire right, title and interest in, to and under the said application for United States Letters Patent, including all priority rights arising therefrom, all inventions

therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for the said inventions, or any of them.

TO HAVE, HOLD and ENJOY the said inventions, the said Application, and the said Letters Patent to said **TRANSGENOMIC, INC.**, its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

And We do hereby authorize and request the Commissioner of Patents of the United States to issue any United States Letters Patent which may be granted on the said application, or any original, divisional, reissue, continuation, or provisional applications, or for the said inventions of any of them, to said **TRANSGENOMIC, INC.**, its successors and assigns, as assignees of the entire right, title and interest therein and thereto.

And We do hereby, for ourselves and for our legal representatives, covenant and agree with **TRANSGENOMIC, INC.**, its successors and assigns, that We have granted to others no license to make, use or sell any of the said inventions, that our right, title and interest in the said inventions has not been encumbered, that We have good right and title to sell and assign the same, and that We will not execute any instrument in conflict herewith.

And We do hereby, for ourselves and for our legal representatives, further covenant and agree with **TRANSGENOMIC, INC.**, its successors and assigns, that upon request We will, and they shall, execute original, divisional, reissue, continuation, or provisional applications, amended specifications, or rightful oaths; communicate to **TRANSGENOMIC, INC.**, its successors and assigns, any facts known to us relating to the said inventions or the history thereof; execute preliminary statements and testify in any interference proceedings; execute and

deliver any application papers, assignments, or other instruments, and do all other acts which, in the opinion of counsel for **TRANSGENOMIC, INC.**, may be necessary or convenient to secure the grant of Letters Patent to **TRANSGENOMIC, INC.**, its successors and assigns, or its nominees, in the United States and in all other countries where **TRANSGENOMIC, INC.** may desire to have the said inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for **TRANSGENOMIC, INC.**, and to vest and confirm in **TRANSGENOMIC, INC.**, its successors and assigns, or its nominees, the full and complete legal and equitable title to all such Letters Patent, without further consideration than now paid but at the expense of **TRANSGENOMIC, INC.**, its successors and assigns.

The undersigned hereby grant to **WILLIAM B. WALKER**, Registration No. 22,498, Transgenomic, Inc., the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, We have hereunto set our hands and seals on the dates indicated below:

Date: \_\_\_\_\_

\_\_\_\_\_  
John E. Sutton

Date: 6-30-00

\_\_\_\_\_  
Douglas T. Gjerde

Date: 7/7/00

\_\_\_\_\_  
Paul D. Taylor

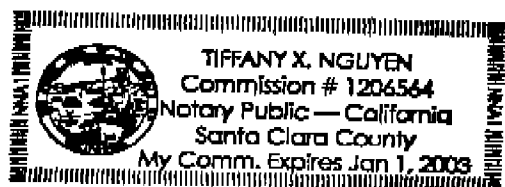
STATE OF California )  
 ) ss.  
COUNTY OF Santa Clara )

On this 30<sup>th</sup> day of June in the year 2000 before me,  
Tiffany Nguyen, a Notary Public in and for said State, personally appeared  
Douglas T. Gjerde

- 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 acknowledge that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, to the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and Official Seal.



Tiffany X. Nguyen  
Signature of Notary  
Notary for the State of California  
Residing in San Jose  
My Commission expires 1-1-03

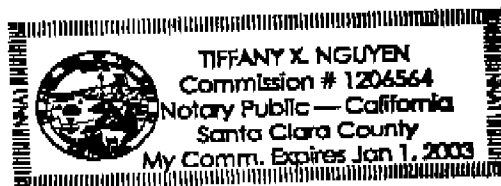
STATE OF California )  
 ) ss.  
COUNTY OF Santa Clara )

On this 7<sup>th</sup> day of July in the year 2000 before me,  
Tiffany Nguyen, a Notary Public in and for said State, personally appeared  
Paul D. Taylor

- 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 acknowledge that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, to the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and Official Seal.



Tiffany X. Nguyen  
Signature of Notary  
Notary for the State of California  
Residing in San Jose  
My Commission expires 1-1-03

**New Attorney Docket No. P-454**

**UNITED STATES PATENT AND TRADEMARK OFFICE**

Assignee: Transgenomic, Inc.	:	Examiner:	N/A
Serial No.: 09/580,302	:	Art Unit:	N/A
Filing Date: 05/26/2000	:		

Title: **MIPC CHROMATOGRAPHIC APPARATUS WITH IMPROVED TEMPERATURE CONTROL**

Box ASSIGNMENTS  
Assistant Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

**ASSIGNMENT**

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**WHEREAS TRANSGENOMIC, INC.**, a corporation duly organized and existing under the laws of **DELAWARE**, and having a post office address at **2032 CONCOURSE DRIVE, SAN JOSE, CA 95131** is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the United States Patent and Trademark Office;

**NOW THEREFORE**, in consideration of the sum of one dollar (\$1.00) and other good and valuable considerations to us by **TRANSGENOMIC, INC.**, the receipt whereof is hereby acknowledged, We do hereby sell, assign, transfer and set over unto **TRANSGENOMIC, INC.**, its successors and assigns, the entire right, title and interest in, to and under the said application for United States Letters Patent, including all priority rights arising therefrom, all inventions

therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for the said inventions, or any of them.

TO HAVE, HOLD and ENJOY the said inventions, the said Application, and the said Letters Patent to said **TRANSGENOMIC, INC.**, its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

And We do hereby authorize and request the Commissioner of Patents of the United States to issue any United States Letters Patent which may be granted on the said application, or any original, divisional, reissue, continuation, or provisional applications, or for the said inventions of any of them, to said **TRANSGENOMIC, INC.**, its successors and assigns, as assignees of the entire right, title and interest therein and thereto.

And We do hereby, for ourselves and for our legal representatives, covenant and agree with **TRANSGENOMIC, INC.**, its successors and assigns, that We have granted to others no license to make, use or sell any of the said inventions, that our right, title and interest in the said inventions has not been encumbered, that We have good right and title to sell and assign the same, and that We will not execute any instrument in conflict herewith.

And We do hereby, for ourselves and for our legal representatives, further covenant and agree with **TRANSGENOMIC, INC.**, its successors and assigns, that upon request We will, and they shall, execute original, divisional, reissue, continuation, or provisional applications, amended specifications, or rightful oaths; communicate to **TRANSGENOMIC, INC.**, its successors and assigns, any facts known to us relating to the said inventions or the history thereof; execute preliminary statements and testify in any interference proceedings; execute and

deliver any application papers, assignments, or other instruments, and do all other acts which, in the opinion of counsel for **TRANSGENOMIC, INC.**, may be necessary or convenient to secure the grant of Letters Patent to **TRANSGENOMIC, INC.**, its successors and assigns, or its nominees, in the United States and in all other countries where **TRANSGENOMIC, INC.** may desire to have the said inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for **TRANSGENOMIC, INC.**, and to vest and confirm in **TRANSGENOMIC, INC.**, its successors and assigns, or its nominees, the full and complete legal and equitable title to all such Letters Patent, without further consideration than now paid but at the expense of **TRANSGENOMIC, INC.**, its successors and assigns.

The undersigned hereby grant to **WILLIAM B. WALKER**, Registration No. 22,498, Transgenomic, Inc., the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, We have hereunto set our hands and seals on the dates indicated below:

Date: 7-25-00   
John E. Sutton

Date: \_\_\_\_\_ \_\_\_\_\_  
Douglas T. Gjerde

Date: \_\_\_\_\_ \_\_\_\_\_  
Paul D. Taylor



STATE OF NEBRASKA )  
 ) ss.  
COUNTY OF DOUGLAS )

On this 25 day of July in the year 2000 before me,  
SHARI L. KUEHL, a Notary Public in and for said State, personally appeared  
JOHN E. SUTTON

- 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 acknowledge that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, to the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and Official Seal.



Shari L. Kuehl  
Signature of Notary  
Notary for the State of Nebraska  
Residing in Omaha  
My Commission expires 4-22-2002

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_ in the year \_\_\_\_\_ before me,  
\_\_\_\_\_, a Notary Public in and for said State, personally appeared  
\_\_\_\_\_

- 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 acknowledge that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, to the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and Official Seal.

\_\_\_\_\_  
Signature of Notary  
Notary for the State of \_\_\_\_\_  
Residing in \_\_\_\_\_  
My Commission expires \_\_\_\_\_