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FORM PT  
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PATENTS ONLY

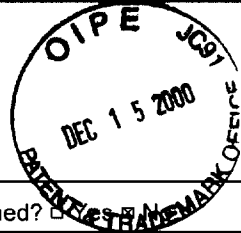
U.S. Department of Commerce  
Patent and Trademark Office  
Atty. Docket No. 4249.0002-05

101568506

To the Honorable  
Please record the attached original documents or copy thereof.

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies):  
Therapeutic Antibodies, Inc.



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

Name: John B. Sullivan

Additional name(s) of conveying party(ies) attached?

Internal Address:

3. Nature of conveyance:

Street Address: 6091 E. Finisterra Drive

Assignment

Merger

City: Tucson

Security Agreement

Change of Name

State: AZ

Zip Code:

Other:

Additional name(s) & Address(es) attached?

Execution Date: February 2, 2000 and September 18, 2000

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:

A. Patent Application Number(s):

08/405,454  
08/476,863

B. Patent Number(s):

4,849,352

Additional numbers attached?  Yes  No

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

Name: Michael T. Siekman, Esq.

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington

State: D.C. Zip: 20005-3315

6. Total number of applications and registrations involved: 3

7. Total fee (37 CFR 3.41): \$120

Enclosed (Please charge deficiency to deposit account)

Authorized to be charged to deposit account

8. Deposit Account No.: 06-0916

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.

Michael T. Siekman, Esq.

*Michael T. Siekman*  
Signature

December 15, 2000

Date

Total number of pages including cover sheet, attachments and documents: 8

12/29/2000 GTUN11 00000119 08405454

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PATENT  
REEL: 011369 FRAME: 0600

Additional Receiving Party:

Findlay E. Russell  
3437 E. Bunell Street  
Tucson, AZ

**ASSIGNMENT**

*6091 E. Finisterra Drive*

WHEREAS, JOHN B. SULLIVAN, whose post office address is ~~6481 E. Country Club Vista Drive~~, Tucson, Arizona; and FINDLAY E. RUSSELL, whose post office address is 3437 E. Bunell Street, Tucson, Arizona (hereinafter referred to as "Inventors"), have made an invention entitled:

**ANTIBODY PURIFICATION PROCESS AND PRODUCTS**

for which the Inventors filed an application for United States Letters Patent on the dates indicated on the attached Exhibit 1;

WHEREAS, THERAPEUTIC ANTIBODIES, INC. (hereinafter referred to as "TAB"), a corporation of Delaware, whose post office address is 1207 17<sup>th</sup> Avenue South, Suite 103, Nashville, Tennessee 37212, has obtained the entire right, title, and interest in the patent applications identified on the attached Exhibit 1 by virtue of assignments from the inventors of the patent applications identified on the attached Exhibit 1, recorded at the U.S. Patent and Trademark Office at Reel 6387, Frame 0362 on December 30, 1992, and at Reel 5760, Frame 0432 on July 15, 1991; and

WHEREAS, the Inventors are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the applications for United States Letters Patent on this invention and the Letters Patents to be issued upon those applications;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from the Inventors is hereby acknowledged, TAB has sold, assigned, transferred, and set over, and does hereby sell, assign, transfer, and set over unto the Inventors, their lawful successors and assigns, its entire right, title, and interest in and to this invention, and the applications identified on the attached Exhibit 1, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the applications identified on the attached Exhibit 1, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and TAB hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to the Inventors, their successors and assigns, in accordance with the terms of this Assignment;

AND, TAB covenants that TAB has the full right to convey the interest assigned by this Assignment, and TAB has not executed and will not execute any agreement in conflict with this Assignment;

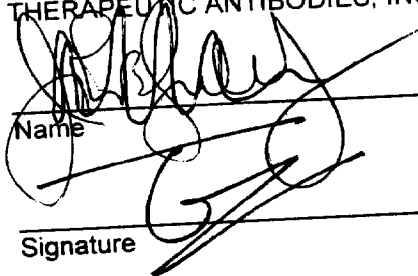
AND, TAB further covenants and agrees that TAB will, without further consideration, communicate with the Inventors, their successors and assigns, any facts known to them respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in the Inventors, their successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid the Inventors, their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Inventors, their successors and assigns;

AND, the Inventors covenant that the Inventors had the full right to convey the interest assigned by the Assignments recorded at the U.S. Patent and Trademark Office at Reel 6387, Frame 0362 on December 30, 1992, and at Reel 5760, Frame 0432 on July 15, 1991, and the Inventors have not executed any agreement in conflict with those Assignments.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

THERAPEUTIC ANTIBODIES, INC.

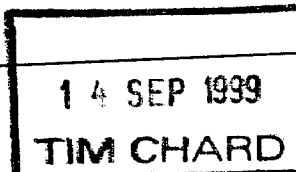
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Name  
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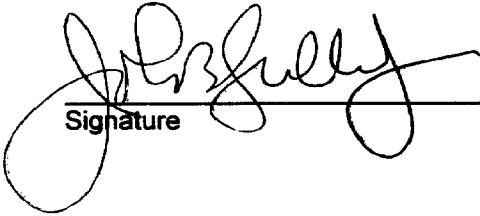
Title

*Director*

Date

  
14 SEP 1999  
TIM CHARD

JOHN B. SULLIVAN

  
\_\_\_\_\_  
Signature

9/18/2000  
\_\_\_\_\_  
Date

FINDLAY E. RUSSELL

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**EXHIBIT 1**

1. United States Patent No. 4,849,352, issued July 18, 1989 for ANTIBODY PURIFICATION PROCESS from U.S. application Serial No. 06/659,629, filed October 9, 1984.
2. United States Patent Application Serial No. 08/405,454, filed March 15, 1995 for ANTIBODY PURIFICATION PROCESS AND PRODUCTS, which is a continuation of application Serial No. 08/277,288, filed July 22, 1994, which is a continuation of application Serial No. 08/124,438, filed September 22, 1993, which is a continuation of application Serial No. 07/593,271, filed October 1, 1990, which is a division of application Serial No. 07/378,925, filed July 12, 1989, which is a division of application Serial No. 06/659,629, filed October 9, 1984, now U.S. Patent No. 4,849,352.
3. United States Patent Application Serial No. 08/476,863, filed June 7, 1995, for ANTIBODY PURIFICATION PROCESS AND PRODUCTS, which is a continuation of application Serial No. 08/405,454, filed March 15, 1995, which is a continuation of application Serial No. 08/277,288, filed July 22, 1994, which is a continuation of application Serial No. 08/124,438, filed September 22, 1993, which is a continuation of application Serial No. 07/593,271, filed October 1, 1990, which is a division of application Serial No. 07/378,925, filed July 12, 1989, which is a division of application Serial No. 06/659,629, filed October 9, 1984, now U.S. Patent No. 4,849,352.

## ASSIGNMENT

WHEREAS, JOHN B. SULLIVAN, whose post office address is 6181 E. Country Club Vista Drive, Tucson, Arizona; and FINDLAY E. RUSSELL, whose post office address is 3437 E. Bunell Street, Tucson, Arizona (hereinafter referred to as "Inventors"), have made an invention entitled:

### ANTIBODY PURIFICATION PROCESS AND PRODUCTS

for which the Inventors filed an application for United States Letters Patent on the dates indicated on the attached Exhibit 1;

WHEREAS, THERAPEUTIC ANTIBODIES, INC. (hereinafter referred to as "TAb"), a corporation of Delaware, whose post office address is 1207 17<sup>th</sup> Avenue South, Suite 103, Nashville, Tennessee 37212, has obtained the entire right, title, and interest in the patent applications identified on the attached Exhibit 1 by virtue of assignments from the inventors of the patent applications identified on the attached Exhibit 1, recorded at the U.S. Patent and Trademark Office at Reel 6387, Frame 0362 on December 30, 1992, and at Reel 5760, Frame 0432 on July 15, 1991; and

WHEREAS, the Inventors are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the applications for United States Letters Patent on this invention and the Letters Patents to be issued upon those applications;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from the Inventors is hereby acknowledged, TAb has sold, assigned, transferred, and set over, and does hereby sell, assign, transfer, and set over unto the Inventors, their lawful successors and assigns, its entire right, title, and interest in and to this invention, and the applications identified on the attached Exhibit 1, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the applications identified on the attached Exhibit 1, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and TAb hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to the Inventors, their successors and assigns, in accordance with the terms of this Assignment;

AND, TAb covenants that TAb has the full right to convey the interest assigned by this Assignment, and TAb has not executed and will not execute any agreement in conflict with this Assignment;

AND, TAb further covenants and agrees that TAb will, without further consideration, communicate with the Inventors, their successors and assigns, any facts known to them respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in the Inventors, their successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid the Inventors, their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Inventors, their successors and assigns;

AND, the Inventors covenant that the Inventors had the full right to convey the interest assigned by the Assignments recorded at the U.S. Patent and Trademark Office at Reel 6387, Frame 0362 on December 30, 1992, and at Reel 5760, Frame 0432 on July 15, 1991, and the Inventors have not executed any agreement in conflict with those Assignments.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

THERAPEUTIC ANTIBODIES, INC.

By:

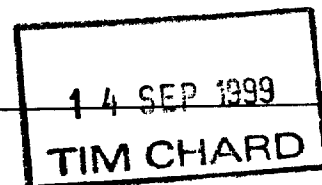
Name

Signature

Title

Date

Director



JOHN B. SULLIVAN

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

FINDLAY E. RUSSELL

*Findlay E Russell*  
\_\_\_\_\_  
Signature

*Feb. 2, 2000*  
\_\_\_\_\_  
Date

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1. United States Patent No. 4,849,352, issued July 18, 1989 for ANTIBODY PURIFICATION PROCESS from U.S. application Serial No. 06/659,629, filed October 9, 1984.
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