

05-07-2001

FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

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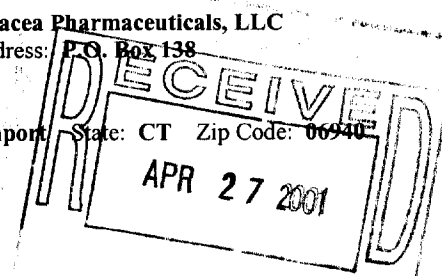
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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

<p>1. Name of conveying party(ies): <b>Michael J. Caplan</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <b>Panacea Pharmaceuticals, LLC</b> Mailing Address: <b>P.O. Box 138</b> City: <b>Southport</b> State: <b>CT</b> Zip Code: <b>06940</b></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <b>4-27-01</b></p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Dates: <b>03/21/2001</b></p>	



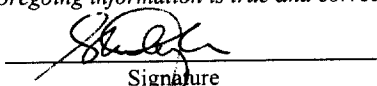
<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No.(s) 09/731,375 filed December 6, 2000</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>B. Patent No.(s)</p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231 on <u>April 25, 2001</u> <i>Karen E. Hepp</i></p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <b>Stanley C. Mah</b> Internal Address: <b>Choate, Hall &amp; Stewart</b> Street Address: <b>Exchange Place 53 State Street</b> City: <b>Boston</b> State: <b>MA</b> ZIP: <b>02109</b></p>	<p>6. Total number of applications and patents involved: <b>1</b></p> <p>7. Total fee (37 CFR 3.41) ..... \$ <b>40.00</b></p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <b>03-1721</b> (Attach duplicate copy of this page if paying by deposit account)</p>
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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.*

Stanley C. Mah  4/25/01  
Name of Person Signing Signature Date  
Reg. No. 46,189

Total number of pages including cover sheet, attachments, and document: **3**

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

05/04/2001 DBYRNE 00000107 09731375

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40.00 DP

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned **Michael J. Caplan** of Woodbridge, CT; hereby


Sells, assigns and transfers to the **Panacea Pharmaceuticals, LLC**, having a place of business at **P.O. Box 138, Southport, CT 06940**, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent entitled "**MICROBIAL DELIVERY SYSTEM**" filed **December 6, 2000**, and given serial number **09/731,375** in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agree that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said ASSIGNEE, agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said ASSIGNEE all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE.

Hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

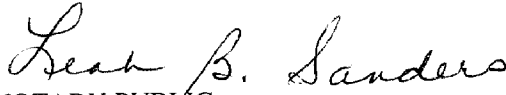
Covenant with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us, and that full right to convey the same as herein expressed is possessed by us.

IN WITNESS WHEREOF, I hereto set my hand and seal at NEW HAVEN, CT,  
this 29<sup>th</sup> day of MARCH, 2001.

  
\_\_\_\_\_  
Michael J. Caplan

STATE OF Connecticut  
COUNTY OF New Haven SS.

Before me this 29<sup>th</sup> day of March, 2001, personally appeared **Michael J. Caplan** known to me to be the person whose name of subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

  
NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires: 5-31-04