

12-23-1998



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Substitute Form PTO-1595

Attorney Docket Number: 06132/010001

Certificate of Mailing: Date of Deposit December 15, 1998

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to BOX ASSIGNMENT, Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Noreen Lehan  
Printed Name

Noreen Lehan  
Signature

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Commissioner of Patents & Trademarks: Please record the attached document.

<p>1. Names of all conveying parties:</p> <p>OraVax, Inc.</p> <p style="text-align: center;"><i>MLO</i> <i>12-18-98</i></p> <p>Additional names attached: NO</p>	<p>2. Names and addresses of all receiving parties:</p> <p>OraVax Merieux Co. 38 Sidney Street Cambridge, MA 02139</p> <p>Additional names/addresses attached: NO</p>
<p>3. Nature of conveyance:</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 Date: December 1, 1998</p>	
<p>4. Application numbers or patent numbers:</p> <p>A. Patent Application Numbers:</p> <p>08/085,938 and 08/200,346</p>	<p>B. Patent Numbers:</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Paul T. Clark Clark &amp; Elbing LLP 176 Federal Street Boston, MA 02110</p>	<p>6. Total number of applications/patents involved: 2</p> <p>7. Total fee (37 CFR 3.41): \$80.00 <input checked="" type="checkbox"/> Fee enclosed <input type="checkbox"/> Authorized to charge deposit account</p> <p>8. Deposit account number: 03-2095. If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to Deposit Account No. 03-2095.</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 the attached is the original document.*

Paul T. Clark  
Name of person signing

Susan M. Michael  
Signature  
*Susan M. Michael*  
*Reg. No. 42,885*

December 15, 1998  
Date

12/22/1998 10:00 AM 19513 FC:561

## ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	State of Incorporation	Business Address
OraVax, Inc.	Delaware	38 Sidney Street Cambridge, MA 02139

hereby assign to

Full Name of Assignee	State of Incorporation	Business Address
OraVax Merieux Co.	A Massachusetts general partnership	38 Sidney Street Cambridge, MA 02139

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements that are subject of one or more applications for United States Patent assigned to us, identified as:

Title of Application	Filing Date	Serial Number
Urease-based Vaccine Against <i>Helicobacter</i> Infection	July 6, 1993	08/085,938
Urease-based Vaccine and Treatment for <i>Helicobacter</i> Infection	February 23, 1994	08/200,346

This assignment includes said applications, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for us and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge  
this 10 day of December, 1998

Lance Gordon \_\_\_\_\_ L.S.  
ORAVAX, INC.  
BY: LANCE K. GORDON, PH.D., PRESIDENT AND CHIEF EXECUTIVE OFFICER

STATE OF Massachusetts  
:ss.  
COUNTY OF Wellesley :

Before me this 10<sup>th</sup> day of December, 1998, personally appeared LANCE K. GORDON, PH.D. known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

[Signature]  
Notary Public

My Commission Expires:

[Notary's Seal Here]

**JULIE M. KLINGER**  
Notary Public  
My Commission Expires Feb 22, 2002