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Form PTO-1595 6-93		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. Department of Commerce Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks, Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): The Rockefeller University			2. Name and address of receiving party(ies): Name: North American Vaccine, Inc. Street Address: 12103 Indian Creek Court City: Beltsville State: Maryland Zip Code: 20705 Country: USA		
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no			Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no		
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____					
Execution Date(s): July 14, 1998					
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 is					
A. Patent Application No(s): 08/096,181 08/449,358			B. Patent No(s):		
Additional numbers attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Sterne, Kessler, Goldstein & Fox P.L.L.C. Internal Address: c/o Robert W. Esmond, Esq. (Atty. Dkt. Nos. 1438.0010000 & 1438.0010002) Street Address: 1100 New York Ave., N.W. Suite 600 City: Washington State: D.C. Zip Code: 20005-3934			6. Total number of applications and patents involved <u>2</u>		
			7. Total fee (37 C.F.R. § 3.41) ... \$ <u>80.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to Deposit Account		
			8. Deposit Account Number: 19-0036		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>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.</i>					
Robert W. Esmond Name of Person Signing Registration No. 32,893				Aug 28, 1998 Date	
Total number of pages including cover sheet, attachments and document <u>3</u>					
OMB NO. 0651-0011 (exp. 4-94)					



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Mail documents to be recorded with required cover sheet information to
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PATENT
REEL: 9419 FRAME: 0144

SCHEDULE A

U.S. APPLICATIONS

	<u>Application No.</u>	<u>Filing Date</u>	<u>Patent No.</u>	<u>Issue Date</u>
1.	08/096,181	July 23, 1993		
	08/449,358	May 24, 1995		

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration, receipt of which is hereby acknowledged, **The Rockefeller University**, a corporation formed under the laws of the state of New York, having an office and place of business at 1230 York Avenue, New York, New York 10021 (the "Assignor"), hereby sells and assigns to **North American Vaccine, Inc.**, a corporation formed under the laws of Canada, having an office and place of business at 12103 Indian Creek Court, Beltsville, Maryland 20705 (the "Assignee"), **The Rockefeller University's** entire right, title and interest, including the right to sue for and collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, (a) in each of the Patents and Patent Applications that are described in detail in Schedule I, annexed hereto and made a part hereof, and (b) in any and all continuing applications, reissues, extensions, renewals, reexaminations and priority documents of such Patents and Patent Applications, to the full extent of the term or terms for which Letters Patents issue, and (c) in all forms of intellectual and industrial property protection derivable from each of the Patents and Patent Applications that are described in detail in Schedule I, and that are derivable from any and all continuing applications, reissues, extensions, renewals, reexaminations and priority documents of such Patents and Patent Applications, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The Assignor agrees to execute all papers necessary in connection with the applications and Letters Patents as above, and any continuing (continuation, divisional, or continuation-in-part), 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 Assignor agrees to execute all papers necessary in connection with any interference that may be declared concerning the applications or Letters Patents or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The Assignor agrees to perform all affirmative acts that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The Assignor hereby represents that Assignor has full right and authority to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict therewith.

The Assignor hereby grants Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K. S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; and Michael Q. Lee, Esquire, Registration No. 35,239, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment, including the all attached Schedules, if any, any further identification that 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, executed by the Assignor on the date set forth below.

The Rockefeller University

By: _____

William H. Griesar

{Type/Print Name}

Title: Vice President and General Counsel

Date: July 14, 1998