07-17-2001

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nent or copy thereof.

Name of party or parties conveying an interest:	2. Name and address of party or parties receiving an interest:
Terry J. Bowersock Paul Guimond Tzu-Chi R. Ju Argaw Kidane	Name: PHARMACIA & UPJOHN COMPANY, a Delaware Corporation Address: Global Intellectual Property Building 209 301 Henrietta Street City: Kalamazoo State: Michigan
	Zip: 49001
3. Description of the interest conveyed:	
X Assignment	Other:
Merger	$\mathcal{L}_{i}(I)$
Change of Name	
Security Agreement	
Execution Dates: May 4, 2001 and June 8, 2001	
4. Application number(s) or patent number(s). Additional sheet attached? YES NO_X_	If the document is being filed together with a new application, the execution date of the application is:
A. Patent Application no.(s): 09/853,919 filed May 11, 2001	B. Patent no.(s):
5. Name and address of party to whom correspondence concerning this cover sheet should be mailed:	6. Number of applications and/or patents identified on this cover sheet: 1
Name: James P. Zeller Reg. No.: 28,491	7. Amount of fee enclosed or authorized to be charged: \$40.00
MARSHALL, O'TOOLE, GERSTEIN, MURRAY & BORUN Street Address: 6300 Sears Tower 233 S. Wacker Drive City: Chicago	8. Any additional required fee may be charged, or any overpayment credited to our deposit account: 13-2855
State: Illinois	
Zip: 60606-6402  9. To the best of my knowledge and belief, the	le information contained on this cover sheet is true

and correct and any copy submitted is a true copy of the original document.

James P. Zeller

Reg. No. 28,491

Total number of pages including cover sheet, attachments, and document: \_\_5\_\_

**REEL: 011970 FRAME: 0787** 

**PATENT** 

Docket No.: 28341/6127N

## ASSIGNMENT

Title: VACCINE COMPOSITION, METHOD OF PREPARING THE SAME, AND

METHOD OF VACCINATING VERTEBRATES

Inventors: Terry L. Bowersock, Paul Guimond, Tzu-chi R. Ju, and Argaw Kidane

**Serial No.:** 09/853,919 **Filing Date:** May 11, 2001

Docket No.: 28341/6127N Country: USA

As a below-named inventor, I hereby declare that:

My post office address is as stated below under my signature and I am named as inventor of the inventions or discoveries (herein INVENTIONS) as described in the patent application (herein APPLICATION) identified above. In view of valuable consideration, receipt thereof being hereby acknowledged, I do hereby assign and transfer unto PHARMACIA & UPJOHN COMPANY, a corporation of the state of Delaware having a place of business at Kalamazoo, Michigan, its successors and assigns, my entire interest in, and the full and exclusive right to, the INVENTIONS, the APPLICATION and all related applications (including all divisions, reissues, continuations, and extensions thereof) and all counterparts in other countries, and any and all Letters Patent (and certificates of invention or similar certificates) (herein PATENTS) which may be granted based upon the INVENTIONS or the APPLICATION or related applications or counterparts in other countries; said transfer and assignment being applicable throughout the world. I hereby authorize and request officials of patent offices in any and all countries of the world to issue any and all of the PATENTS, when granted, to PHARMACIA & UPJOHN COMPANY, its successors and assigns, as the assignee of my entire right, title, and interest in and to the same. I agree that I will communicate to PHARMACIA & UPJOHN COMPANY, or its representatives, any facts known to me respecting the invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of the PATENTS to be issued to PHARMACIA & UPJOHN COMPANY; make all rightful oaths; and generally do everything possible to aid PHARMACIA & UPJOHN COMPANY, its successors and assigns, to obtain and enforce proper protection for the INVENTION in any and all countries throughout the world.

FULL NAME OF FIRST/SOLE INVENTOR. Terry L Bowersock	
Signature of Inventor:	
Address: 3160 Lost Pine Way Portage, MI 49024	
STATE OF MICHIGAN COUNTY OF KALAMAZOO	
On the 22,200/, the above-named inventor personally appeared before me and executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.	
SEAL  Notary Public KAREN ANN SHORB Stary Public, Kalamazoo County, MI Wiy Commission Expires 10/16/2003	
FULL NAME OF SECOND/JOINT INVENTOR: Paul Guimond	
Signature of Inventor:	
Address: 3335 Fair Oaks Drive Kalamazoo, MI 49001	
STATE OF MICHIGAN COUNTY OF KALAMAZOO	
on 25, 200 , the above-named inventor personally appeared before me and executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.	
SEALNotary Public  KAREN ANN SHORB	
Natary Public, Kalamazoo County, Mf My Commission Expires 10/16/2003	

FULL NAME OF FOURTH/JOINT INVENTOR: Argaw Kidane	
Signature of Inventor: #9@@	
Address: 1144 Bridford Lake Circle Apt. G Greensboro, NC 27407	
STATE OF NORTH CAROLINA COUNTY OF GUILFORD  On	
SEALBrenda Hale Berke Notary Public	

FULL NAME OF THIRD/JOINT INVENTOR: Tzu-Chi R. Ju

Signature of Inventor:

Address: 2033 Harrier Court
Thousand Oaks, CA 91320

STATE OF CALIFORNIA
COUNTY OF VENTURA

On 2000 the above-named inventor personally appeared before me and executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

SUSAN M. SMITH-WOODEN 1283881

lotary Public - California Ventura County

My Comm. Expires Nov 11, 2004

**RECORDED: 07/11/2001** 

SEAL

Notary Public