

ttorney Docket No. 15280-341000US

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		U.S. Department of Commerce Patent and Trademark Office	
To the Honorable Asst. Commissioner for Patents	Please record the attached	original documents or copy thereof	
To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof  1. Name of conveying party(ies):  2. Name and address of receiving party(ies)			
(a) Albert H. Kapikian (b) Robert M. Chanock (c) Yasutaka Hoshino	Name: T AMERICA Human S	HE GOVERNMENT OF THE UNITED STATES OF A, as represented by the Department of Health and ervices	
Additional name(s) of conveying parties attached?	— Internal A		
Nature of conveyance:		dress: National Institutes of Health, 6011 Executive 1, Suite 325	
Assignment  Merger	City: Roc	kville State: Maryland ZIP: 20852-3804	
☐ Security Agreement ☐ Change of Nam		I names and addresses attached? ☐ Yes ☒ No	
Other:	Additiona	names and addresses attached?   1 es   No	
Execution Date: (a) January 1, 2001; (b) January 2 January 2, 2001	, 2001; (c)		
Application Number(s) or Patent Numbers.			
If this document is being filed together with a new application, the execution date of the application is:			
A. Patent Application No(s): 60/094,425 and PCT/US99/17036 B. Patent No(s):			
Additional numbers attached? ☐ Yes ☒ No			
5. Name and address of party to whom correspond concerning document should be mailed:		number of applications and patents involved 2	
Name: Brian W. Poor TOWNSEND AND TOWNSEND AND CRE	7. Total fo	ee (37 CFR 3.41):\$40.00	
Two Embarcadero Center, 8 <sup>th</sup> Floor San Francisco, California 94111-3834		ed	
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9. Statement and signature.			
To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.			
Brian W. Poor Name of Person Signing Signature  Brian W. Poor Signature  Bate			
Atty. Reg. No. 32,928 Total number of pages including cover sheet, attachments and document 4			
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SE 5006303 v1

Attorney Docket No.: 15280-341000US Client Reference No.: E-015-98/0

## ASSIGNMENT OF PATENT APPLICATIONS

JOINT

WHEREAS, Albert H. Kapikian, of 11201 Marcliff Road, Rockville, MD 20892; Robert M. Chanock, of 7001 Longwood Drive, Bethesda, MD 20817; Yasutaka Hoshino, of 2111 Cambridge Park Court, Wheaton, MD 20902; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention: MULTIVALENT HUMAN-BOVINE

**ROTAVIRUS VACCINE** 

Application Nos.: U.S. Provisional Patent Application No.

60/094,425, filed July 28, 1998, and

International Application No. PCT/US99/17036,

filed July 27, 1999; and

WHEREAS, THE GOVERNMENT OF THE UNITED STATES OF AMERICA, as represented by the Department of Health and Human Services, National Institutes of Health, located at 6011 Executive Boulevard, Suite 325, Rockville, MD, 20852-3804, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

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	EOF, Assignors have signed their names on the dates
indicated.	
Dated: //61/2001	Albert W. Kapikian  Z.
STATE OF MARYLAND ) ss.	(Me)
COUNTY OF )	
On //2/2001	, before me, <u>Mourt Z. Kapıkıan</u> , <u>Kapıkıan</u> , personally known to me (or proved to
me on the basis of satisfactory evidence) within instrument, and acknowledged to	to be the person whose name is subscribed to the me that he executed the same in his authorized instrument the person, or the entity upon behalf of
WIENESS my hand and official seal.	
OTARY E	
	Mitel. Capolianche
PUB STATE	NOTARY PUBLIC
My Commission Expires: fel.1,200	2
Dated: 1/2/2001	Robert M. Chanock
STATE OF MARYLAND )	
COUNTY OF ) ss.	
on Jan 2, 200	hefore me, Sobert M. Chanack.  Chanack, personally known to me (or proved to
me on the basis of satisfactory evidence) within instrument, and acknowledged to	to be the person whose name is subscribed to the me that he executed the same in his authorized instrument the person, or the entity upon behalf of
WITNESS my hand and official seal.	
SUGTARIA	
	Reta a. Copolianelle.
PARTIES AND A STATE OF THE PARTIES AND A STATE O	NOTART PUBLIC
My Commission Expires: Feb 1, 200	12

Assignment

Assignment Attorney Docket No.: 15280-341000US

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Dated: // \( \) \\ \( \)

me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

**RECORDED: 01/11/2001** 

My Commission Expires: Feb. 1, 2002

NOTARY DUBLIC

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