Attorney Docket No. 17634-000340US DHHS Ref No. E-029-00/0

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FORM PTO-	1595	1013384	180	U.S. Department of Commerce	
(Rev. 6-93)	able Asst. Commissioner for t		ne attached original documents	Patent and Trademark Office	
	conveying party(ies):	dionio. I loudo record a	2. Name and address of rece		
TAC MAF PET BRI	O TAO RIO H. SKIADOPOULOS ER L. COLLINS AN R. MURPHY me(s) of conveying parties att	ached? ☐ Yes	Name: THE GOVERNMENT AMERICA, as represented by AND HUMAN SERVICES Internal Address: Street Address: 6011 Execut	OF THE UNITED STATES OF THE DEPARTMENT OF HEALTH	
Nature of conveyance:			City: Rockville State: Mar	yland ZIP: 20852	
o. Matare or	conveyance.				
_	ignment		Additional names and addres	ses attached? ☐ Yes ☒ No	
_	-	e of Name			
☐ Othe	er:				
Execution Da	ate: February 25, 2000				
4. Application	n Number(s) or Patent Numbe	ers.			
If this document is being filed together with a new application, the execution date of the application is:					
A. Patent Application No(s): 09/459,062 B. Patent No(s):					
Additional numbers attached? ☐ Yes ☒ No					
	address of party to whom co	rrespondence	6. Total number of applicatio	ns and patents involved 1	
Name: Jeffr	ocument should be mailed: rev J. King		7. Total fee (37 CFR 3.41):	\$40	
TOV	WISEND AND TOWNSEND A	AND CREW LLP			
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Jeffrey J. King 3/30/00					
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Attorney Docket No.: 17634-000340US Client Reference No.: E-029-00/0

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Tao Tao, of 10684 Weymouth Street, #104, Bethesda, MD 20814, Mario H. Skiadopoulos, of 8303 Aqueduct Road, Potomac, MD 20854, Peter L. Collins, of 12304 Village Square, #401, Rockville, MD 20852, and Brian R. Murphy, of 5410 Tuscarawas Road, Bethesda, MD 20816, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: CONSTRUCTION AND USE OF

RECOMBINANT PARAINFLUENZA VIRUSES EXPRESSING A CHIMERIC

GLYCOPROTEIN

Filing Date: December 10, 1999

Application No.: 09/459,062; and

WHEREAS, THE GOVERNMENT OF THE UNITED STATES OF AMERICA as represented by the Department of Health and Human Services, of 6011 Executive Boulevard, Suite 325, Rockville, Maryland, 20852, 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 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 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.

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 patent 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.

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IN TESTIMONY WHEREOR	F, Assignors have signed their names on the dates
indicated.	& A
Dated: 2/25/2000	()-2 ()-2-1
	Tao Tao
STATE OF MARYLAND)	
)	ss.
COUNTY OF MONTGOMERY)	
On 2/25/iv	ppeared TAO TAO, personally known to me for
(insert name of notary public), personally approved to me on the basis of satisfactory evidence.	ppeared TAO TAO, personally known to me for lence) to be the person whose name is subscribed
•	to me that he executed the same in his authorized
	strument the person, or the entity upon behalf of
which the person acted, executed the instrum	ent.
	WITNESS my hand and official seal.
	Al AST
	Mary Public)
	My Commission Expires: MY COMMISSION EXPIRES MARCH 1, 2003 MARGARET L. TOMCZAK
,	NOTARY PUBLIC
Dated: 0.2/25/00	With Hime
	Mario H. Skiadopoulos
STATE OF MARYLAND)	
,)	ss.
COUNTY OF MONTGOMERY)	
On	lly appeared MARIO H. SKIADOPOULOS,
(insert name of notary public), persona	lly appeared MARIO H. SKIADOPOULOS,
	on the basis of satisfactory evidence) to be the hin instrument, and acknowledged to me that he
executed the same in his authorized capacity	y, and that by his signature on the instrument the
person, or the entity upon behalf of which the	e person acted, executed the instrument.
	WITNESS my hand and official seal.
,	
	11 + Ft
	Margaret & Tomeral
	HOTAIKT TOBBLE
	My Commission Expires:
	MY COMMISSION EXPIRES MARCH 1, 2003
	MARGARET L. TOMCZAK NOTARY PUBLIC

Assignment

Attorney Docket No.: 17634-000340US

Assignment Attorney Docket No.: 17634-000340US Page 3	
Dated: 2/27/00	Peter L. Collins
to me (or proved to me on the basis of satisf subscribed to the within instrument, and ack authorized capacity, and that by his signature	before me, //acquit / concerns peared PETER L. COLLINS, personally known factory evidence) to be the person whose name is nowledged to me that he executed the same in his e on the instrument the person, or the entity upon
behalf of which the person acted, executed the	he instrument. WITNESS my hand and official seal.
	My Commission Expires: MY COMMISSION EXPIRES MARCH 1, 2003 MARGARET L. TOMCZAK NOTARY PUBLIC
Dated: 2/30/60	Brian R. Murphy
to me (or proved to me on the basis of satis subscribed to the within instrument, and ack	, before me, // (unquit / Tomanh) ppeared BRIAN R. MURPHLY, personally known ifactory evidence) to be the person whose name is knowledged to me that he executed the same in his are on the instrument the person, or the entity upon the instrument. WITNESS my hand and official seal.
	NOTARY PUBLIC My Commission Expires:

SE 5002456 v1

RECORDED: 04/05/2000

MARCH 1, 2003
MARGARET L. TOMCZAK
NOTARY PUBLIC