

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT6366504

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	STEVEN A. RUBIN	08/24/2020
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, FOOD AND DRUG ADMINISTRATION	
<b>Street Address:</b>	10903 NEW HAMPSHIRE AVENUE	
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<b>Postal Code:</b>	20993	
<b>PROPERTY NUMBERS Total: 2</b>		
	<b>Property Type</b>	<b>Number</b>
	<b>Application Number:</b>	16352135
	<b>Patent Number:</b>	9649371
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
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<b>ATTORNEY DOCKET NUMBER:</b>	0235.000177US03	
<b>NAME OF SUBMITTER:</b>	NANCY A. JOHNSON	
<b>SIGNATURE:</b>	/Nancy A. Johnson/	
<b>DATE SIGNED:</b>	10/23/2020	
<b>Total Attachments: 3</b>		
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## ASSIGNMENT

Whereas I, **Steven A. Rubin**, with residence and citizenship as indicated below, have made an invention in

### RECOMBINANT MUMPS VIRUS VACCINE

Filed: February 24, 2012

International Application No.: PCT/US2012/026436

as described in the above-identified patent application filed under the Patent Cooperation Treaty and that claims priority to and/or the benefit of the following applications:

### RECOMBINANT MUMPS VIRUS VACCINE

Filed: September 1, 2011

U.S. Patent Application No.: 61/529,981

Filed: February 25, 2011

U.S. Patent Application No.: 61/446,619

and that corresponds to the following patents and/or patent applications, which are National Stage Entries of International Application No. PCT/US2012/026436 or continuing applications thereof:

### RECOMBINANT MUMPS VIRUS VACCINE

Filed: March 13, 2019

U.S. Patent Application No.: 16/352,135

Filed: April 28, 2017

U.S. Patent Application No.: 15/581,473

Filed: September 25, 2013

U.S. Patent Application No.: 14/001,228

Filed: February 24, 2012

Canadian Patent Application No.: 2,828,229

Issued: April 25, 2018

European Patent No.: 2 678 043

Issued: March 17, 2017

Japanese Patent No.: 6110317

Now, therefore, for good and valuable consideration, receipt and sufficiency of which are hereby acknowledged, I have individually agreed to assign and transfer and do hereby assign and transfer unto **THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, Food and Drug Administration** ("Assignee"), having an address at 10903 New Hampshire Avenue, WO1, Room 4213, Silver Spring, Maryland 20993, USA, its successors and assigns, my entire right, title, and interest in and to said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment by the Assignee), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon said invention or improvements thereon, to be held

For: RECOMBINANT MUMPS VIRUS VACCINE

and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

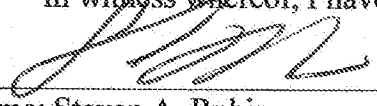
I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by the Assignee, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

And I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent that may be granted upon any of said applications, to **THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, Food and Drug Administration** as the assignee of the entire right, title, and interest therein.

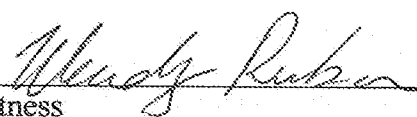
Further, I covenant and agree with the Assignee, and its successors and assigns, that I have not assigned, granted, mortgaged, licensed, or executed any other agreement affecting the rights and property herein conveyed to others and that I possess the full right to convey these rights and property as herein expressed.

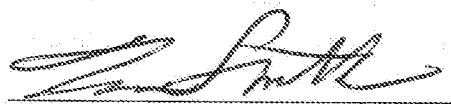
If the filing date and application number are not identified in this Assignment at the time of execution, I authorize the Assignee and its agents, legal representatives, successors and assigns, to insert such information into this Assignment and/or true and correct copies thereof at a later date.

In witness whereof, I have hereunto signed my name on the day and year set forth below.

  
Name: Steven A. Rubin  
Residence: P.O. Box 339  
Buckeystown, MD 21717  
Citizenship: US

8/24/2020  
Date

  
Witness

  
Witness

*For: RECOMBINANT MUMPS VIRUS VACCINE*

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**ACCEPTANCE OF ASSIGNMENT**

For and on behalf of

THE UNITED STATES OF  
AMERICA, AS REPRESENTED  
BY THE SECRETARY,  
DEPARTMENT OF HEALTH AND  
HUMAN SERVICES  
Food and Drug Administration

By its authorized officer

/William Ronnenberg/

Signature

William Ronnenberg Reg. 48,693

Printed Name

October 20, 2020

Date

Lead Patent Advisor

Title