#### 507916446 05/19/2023

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7963573

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
KAREN HAAS	10/11/2021
JEROME MCKAY	10/09/2021

## **RECEIVING PARTY DATA**

Name:	WAKE FOREST UNIVERSITY HEALTH SCIENCES
Street Address:	MEDICAL CENTER BLVD.
City:	WINSTON-SALEM
State/Country:	NORTH CAROLINA
Postal Code:	27157

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15106071

## CORRESPONDENCE DATA

Fax Number: (919)854-1401

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.

9198541400 Phone:

Email: swarren@myersbigel.com Correspondent Name: MYERS BIGEL, P.A.

Address Line 1: 4140 PARKLAKE AVENUE, SUITE 600 Address Line 4: RALEIGH, NORTH CAROLINA 27612

ATTORNEY DOCKET NUMBER:	9151.256
NAME OF SUBMITTER:	SARA E. WARREN
SIGNATURE:	/sew/
DATE SIGNED:	05/19/2023

## **Total Attachments: 4**

source=9151.256 Executed Assignment#page1.tif source=9151.256 Executed Assignment#page2.tif source=9151.256 Executed Assignment#page3.tif source=9151.256 Executed Assignment#page4.tif

> REEL: 063702 FRAME: 0936 507916446

PATENT

## ASSIGNMENT

	ADDICATEDER
THIS ASSIGNME	NT, made by us, <b>Karen Haas</b> , a citizen of <u>file United States</u> ,
having an address at <u>44</u>	15 Muratacle LA Chamons NC and Jerome Mckay, a
citizen of	, having an address at 2415 Elkhorn Ranch Street, Parker, CO 80138
WITMECCETH: T	hot

WHEREAS, we are joint inventors of certain new and useful improvements in METHODS AND COMPOSITIONS FOR INCREASING PROTECTIVE ANTIBODY LEVELS INDUCED BY PNEUMOCOCCAL POLYSACCHARIDE VACCINES, for which U.S. Provisional Application No. 61/919,360 was filed on December 20, 2013; PCT International Application No. PCT/US2014/071901 was filed on December 22, 2014; and U.S. Application No. 15/106,071 was filed on June 17, 2016, in the United States Patent and Trademark Office; and

WHEREAS, we have previously assigned our rights in the priority application(s) for said application to Wake Forest University Health Sciences, but we wish for a more complete record to confirm our prior assignment and, to the extent applicable, to assign any remaining right, title, and interest in and to said invention as described in said application; and

WHEREAS, Wake Forest University Health Sciences, an educational institution organized and existing under and by virtue of the laws of the state of North Carolina and engaged in business at Medical Center Blvd., Winston-Salem, North Carolina 27157, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and applications, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said applications in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by assignors if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, and to the extent not already assigned to the assignee, we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on thisday of
October, 20_21 Jan Jan (SEAL)
Karen Haas
STATE OF North Carolina ) SS:
Before me personally appeared the person described in and who executed the foregoing
instrument, and he/she acknowledged to me that he/she executed the same for the purposes therein stated, this
Polaza Di Wandon
SEAL SEAL
My Commission Expires: 12-7-24

PAMELA A. RICHARDSON Notary Public, North Carolina Davidson County My Commission Expires December 07, 2024

IN WITNESS WHEREOF, I have here	unto set my hand and seal on this <u>9</u> day of
October , 2021.	
	T-22 (SEAL)
Serome	Mckay American Americ
STATE OF <u>Coloroid ()</u>	
COUNTY OF Arapahae	SS:
Before me personally appeared the pers	on described in and who executed the foregoing
instrument, and he/she acknowledged to me tha	it he/she executed the same for the purposes therein
stated, this <u>9</u> day of <u>Och</u>	, 20 <u>21</u> .
2	
SEAL	Notary Public
.m. /%	MMWA G PEREZ
My Commission Expires: $\overline{\lambda wc}$	L2025 STATE OF COLORNO
	W7MY (0.32340258)

IN WITNESS WHEREOF, Wake Forest University Health Sciences, by signature below on this
of this Assignment. The undersigned warrants and represents that he/she has the authority to sign this
Assignment on behalf of the Assignee.
Br. Dugasa (SEAL)
Printed Name: Tock A. Ponzia
Tille: AVP, Wake Forest Innovations
STATE OF NORTH CAROLINA SS:
Before me personally appeared the person described in and who executed the foregoing
instrument, and he/she acknowledged to me that he/she executed the same for the purposes therein stated, this 12 <sup>th</sup> day of 000000, 20 <u>21</u> .
Proula a Dichardon
SEAL
My Commission Expires: 12-7-34

PAMELA A. RICHARDSON Notary Public, North Caroline Davidson County My Commission Expires December 07, 2024