

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3229820

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BARTON F. HAYNES	12/15/2014
HUA-XIN LIAO	12/15/2014
M.A. MOODY	12/15/2014
THOMAS B. KEPLER	12/19/2014
RECEIVING PARTY DATA	
Name:	DUKE UNIVERSITY
Street Address:	2 GENOME COURT
Internal Address:	DUKE HUMAN VACCINE INSTITUTE
City:	DURHAM
State/Country:	NORTH CAROLINA
Postal Code:	27710
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14171322
CORRESPONDENCE DATA	
Fax Number:	
<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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Correspondent Name:	TERESA H. LAURO
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ATTORNEY DOCKET NUMBER:	48218-519N01US
NAME OF SUBMITTER:	CHRISTOPHER R. COWLES
SIGNATURE:	/Christopher R. Cowles/
DATE SIGNED:	02/18/2015
Total Attachments: 7	
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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this _____ day of _____, _____, by Barton F. Haynes; Hua-Xin Liao; M. A. Moody; and Thomas B. Kepler (hereinafter referred to as Assignors), residing at c/o Duke University, 2812 Erwin Road, Durham, North Carolina 27705; c/o Duke University, 2812 Erwin Road, Durham, North Carolina 27705; c/o Duke University, 2812 Erwin Road, Durham, North Carolina 27705; and c/o Duke University, 2812 Erwin Road, Durham, North Carolina 27705, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in BROADLY NEUTRALIZING HUMAN ANTIBODY THAT RECOGNIZES THE RECEPTOR-BINDING POCKET OF INFLUENZA HEMAGGLUTININ, set forth in a Patent application for Letters Patent of the United States, already filed on February 3, 2014 as U.S. Application No. 14/171,322; and

WHEREAS, Duke University, a university organized under and pursuant to the laws of North Carolina having its principal place of business at Duke Human Vaccine Institute, 2 Genome Court, Durham, North Carolina 27710 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be

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granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns that: Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise; that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; and, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

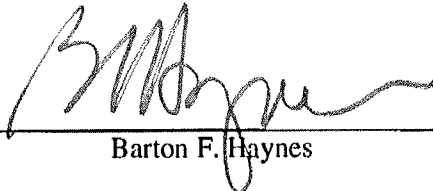
AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this document:

EDWARDS WILDMAN PALMER LLP

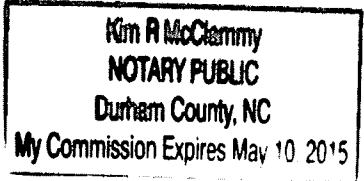
All practitioners at Customer Number 21874

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

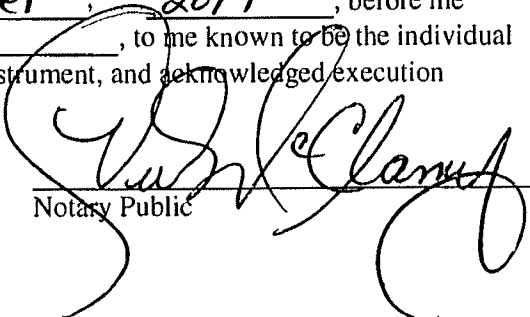

Barton F. Haynes


Date: 12/15/2014

United States of America)
State of North Carolina ss.:
County of Durham)



On this 15th day of December, 2014, before me
personally came Barton F. Haynes, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.


Notary Public



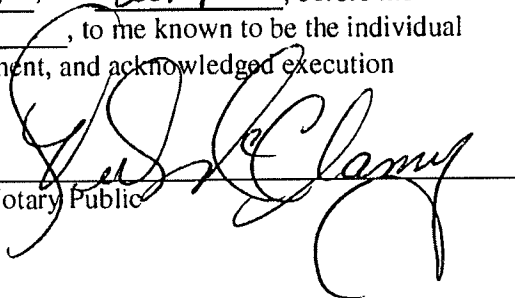
Hua-Xin Liao

Date: 12/15/2014

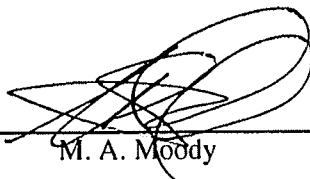
United States of America)
State of North Carolina) ss.:
County of Durham)

Kim R McClammy
NOTARY PUBLIC
Durham County, NC
My Commission Expires May 10 2015

On this 15th day of December, 2014, before me
personally came Hua-Xin Liao, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



Notary Public

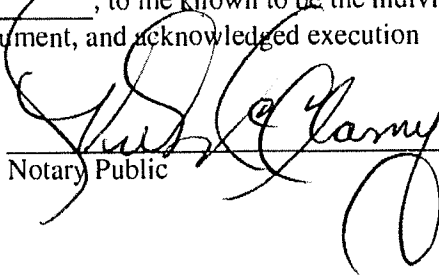

M. A. Moody

Date: 12/15/2014

United States of America)
State of North Carolina) ss.:
County of Durham)

Kim R McClammy
NOTARY PUBLIC
Durham County, NC
My Commission Expires May 10, 2015

On this 15th day of December, 2014, before me personally came M. A. Moody, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

Thomas B. Kepler

Thomas B. Kepler

Date: 12/19/2014

United States of America)
State of Massachusetts) ss.:
County of Suffolk)

On this 19 day of December, 2014, before me personally came Thomas B. Kepler, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Christine M. Nickerson
Notary Public

CHRISTINE M. NICKERSON
Notary Public
My Commission Expires August 31, 2018
Commonwealth of Massachusetts



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