

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3683212

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the THE STATE OF THE ASSIGNEE FROM "MASSACHUSETTS" TO "ILLINOIS". previously recorded on Reel 035338 Frame 0174. Assignor(s) hereby confirms the ASSIGNEE'S STATE OF "MASSACHUSETTS" SHOULD BE CORRECTED TO "ILLINOIS".
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MATTHEW OMON HERIGSTAD	12/13/2013
LINDA E. RICH	12/13/2013
STEPHEN MING-TEH LU	12/13/2013
NATARAJAN RAMASUBRAMANYAN	12/20/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ABBVIE, INC.
<b>Street Address:</b>	1 NORTH WAUKEGAN ROAD
<b>City:</b>	NORTH CHICAGO
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60064
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13831181
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)607-9200
<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>	
<b>Phone:</b>	617-449-6500
<b>Email:</b>	jbbaker@mccarter.com
<b>Correspondent Name:</b>	MCCARTER & ENGLISH, LLP
<b>Address Line 1:</b>	265 FRANKLIN STREET
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02110
<b>ATTORNEY DOCKET NUMBER:</b>	117813-73403
<b>NAME OF SUBMITTER:</b>	MANEESH GULATI
<b>SIGNATURE:</b>	/MANEESH GULATI/
<b>DATE SIGNED:</b>	01/06/2016

**Total Attachments: 7**

source=117813\_73403\_AssignmentCoverSheet#page1.tif

source=117813-73403\_Assignment#page1.tif

source=117813-73403\_Assignment#page2.tif

source=117813-73403\_Assignment#page3.tif

source=117813-73403\_Assignment#page4.tif

source=117813-73403\_Assignment#page5.tif

source=117813-73403\_Assignment#page6.tif

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3297990

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MATTHEW OMON HERIGSTAD	12/13/2013
LINDA E. RICH	12/13/2013
STEPHEN MING-TEH LU	12/13/2013
NATARAJAN RAMASUBRAMANYAN	12/20/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ABBVIE, INC.
<b>Street Address:</b>	1 NORTH WAUKEGAN ROAD
<b>City:</b>	NORTH CHICAGO
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	60064
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13831181
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)607-9200
<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>	
<b>Phone:</b>	617-449-6500
<b>Email:</b>	jbaker@mccarter.com
<b>Correspondent Name:</b>	MCCARTER & ENGLISH, LLP
<b>Address Line 1:</b>	265 FRANKLIN STREET
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02110
<b>ATTORNEY DOCKET NUMBER:</b>	117813-73403
<b>NAME OF SUBMITTER:</b>	MANEESH GULATI
<b>SIGNATURE:</b>	/MANEESH GULATI/
<b>DATE SIGNED:</b>	04/06/2015
<b>Total Attachments: 6</b>	
source=117813-73403_Assignment#page1.tif	
source=117813-73403_Assignment#page2.tif	
source=117813-73403_Assignment#page3.tif	

113104801

Atty. Docket No. 082254.0242

## WORLDWIDE ASSIGNMENT

WHEREAS,

**Matthew Omon Herigstad**, a citizen of the United States, and whose post office address is 30 Mount Vernon Street, Charlestown, MA 02129; **Linda E. Rich**, a citizen of the United States, and whose post office address is 107 Chester Street, Worcester Street, Worcester MA 01605; **Stephen Ming-teh Lu**, a citizen of the United States, and whose post office address is 41 Rowena Street, Worcester, MA 01606; and **Natarajan Ramasubramanyan**, a citizen of the United States, and whose post office address is 7 Grindstone Court, Westborough, MA 01581; (hereinafter referred to as "ASSIGNORS"), invented a new invention as disclosed in a patent application entitled "**NOVEL PURIFICATION OF ANTIBODIES USING HYDROPHOBIC INTERACTION CHROMATOGRAPHY**," identified by Attorney Docket No. 082254.0242, which

- ☐ is being filed concurrently with the recordation of this Assignment.
- ☒ the Provisional Application was filed on May 24, 2012 as Application No. 61/651,544; and the Provisional Application was filed on June 13, 2012 as Application No. 61/658920;
- ☒ the NonProvisional Application was filed on March 14, 2013 as Application No. 13/831,181;
- ☒ the PCT Application was filed on March 14, 2013 as Application Nos. PCT/US2013/031352;

WHEREAS, **ABBVIE INC.**, a corporation organized and existing under the laws of the Illinois, having its principal place of business at **1 N Waukegan Road, North Chicago, Illinois 60064**, (hereinafter referred to as "ASSIGNEE"), is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention and said United States provisional application or said application for United States Letters Patent, as the case may be, and said invention in all applications claiming priority thereto or converted therefrom, and all divisions, renewals, continuations and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues,

reexaminations and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said applications above under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

ASSIGNORS hereby covenant and agree that ASSIGNORS have full right to convey the entire right, title and interest herein assigned, that such right, title and interest is unencumbered, and that ASSIGNORS have not executed, and will not execute, any agreement in conflict herewith;

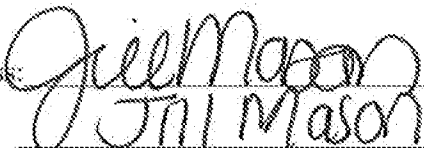
ASSIGNORS further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, legal representatives and assigns;

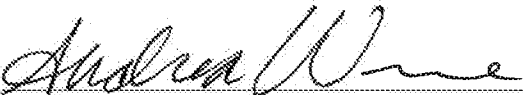
ASSIGNORS further covenant and agree that ASSIGNORS will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, reexamination, foreign applications or other such Letters Patent, make all rightful oaths, and generally do everything possible to aid ASSIGNEE or, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

ASSIGNORS hereby authorize ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13 day of December, 2013.

  
Matthew Omon Herigstad

Witness:  [signature]  
Jill Mason [name]

Witness:  [signature]  
Andrea Werme [name]

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13 day of  
December, 2013.

Linda E. Rich  
Linda E. Rich

Witness: Jill Mason [signature]  
Jill Mason [name]

Witness: Andrea Werne [signature]  
Andrea Werne [name]

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13 day of  
December, 2013.

Stephen Ming-teh Lu  
Stephen Ming-teh Lu

Witness: Jill Mason [signature]  
Jill Mason [name]

Witness: Andrea Werme [signature]  
Andrea Werme [name]



IN WITNESS WHEREOF, I have hereunto set my hand and seal this 20 day of  
December, 2013.

*L. Natarajan*

**Natarajan Ramasubramanyan**

Witness: *Julie Mason* [signature]  
Julie Mason [name]

Witness: *Andrea W* [signature]  
Andrea Werme [name]