

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Natalie Sutkowski | 08/03/2011 |
| Semyon Rubinchik | 07/22/2011 |
| RECEIVING PARTY DATA | |
| Name: | Medical University of South Carolina |
| Street Address: | 171 Ashley Avenue |
| City: | Charleston |
| State/Country: | SOUTH CAROLINA |
| Postal Code: | 29425 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12671936 |
| CORRESPONDENCE DATA | |
| Fax Number: | (312)775-8100 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Email: | mhmpto@mcandrews-ip.com |
| Correspondent Name: | McAndrews Held & Malloy, Ltd. |
| Address Line 1: | 500 West Madison Street |
| Address Line 2: | Suite 3400 |
| Address Line 4: | Chicago, ILLINOIS 60661 |
| ATTORNEY DOCKET NUMBER: | 03494-24493US02 |
| NAME OF SUBMITTER: | Nabeela R. McMillian |
| Total Attachments: 4 source=24493US02_Executed_Assignments#page1.tif source=24493US02_Executed_Assignments#page2.tif source=24493US02_Executed_Assignments#page3.tif source=24493US02_Executed_Assignments#page4.tif | |

CH \$40.00 12671936

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to MEDICAL UNIVERSITY OF SOUTH CAROLINA (the "Assignee"), having a place of business at 171 Ashley Avenue, Charleston, SC 29425, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. **12/671,936**, which has been filed on **February 3, 2010** and is entitled "**HUMAN MONOCLONAL ANTIBODIES AND METHODS FOR PRODUCING THE SAME,**" which is a national phase application under 35 U.S.C. § 371 of International Application No. PCT/US2008/072124, filed August 4, 2008, which claims the priority of U.S. Provisional Patent Application Serial No. 60/953,739, filed August 3, 2007, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

The assignment of said invention is effective as of the earlier of (1) the date of execution shown below or (2) the filing date of the first filed of said patent applications.

Signature: Natalie SUTKOWSKI Date: 8/3/11
Name: Natalie SUTKOWSKI

STATE OF SC
COUNTY OF COLUMBIA

BEFORE ME, the undersigned authority, on this ____ day of _____, 2011 personally appeared Natalie SUTKOWSKI, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____ Date: _____
Name: Semyon RUBINCHIK

STATE OF _____
COUNTY OF _____

BEFORE ME, the undersigned authority, on this ____ day of _____, 2011 personally appeared Semyon RUBINCHIK, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

FULBRIGHT & JAWORSKI L.L.P.
98 San Jacinto Boulevard, Suite 1100
Austin, Texas 78701

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to MEDICAL UNIVERSITY OF SOUTH CAROLINA (the "Assignee"), having a place of business at 171 Ashley Avenue, Charleston, SC 29425, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. **12/671,936**, which has been filed on **February 3, 2010** and is entitled "**HUMAN MONOCLONAL ANTIBODIES AND METHODS FOR PRODUCING THE SAME,**" which is a national phase application under 35 U.S.C. § 371 of International Application No. PCT/US2008/072124, filed August 4, 2008, which claims the priority of U.S. Provisional Patent Application Serial No. 60/953,739, filed August 3, 2007, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

The assignment of said invention is effective as of the earlier of (1) the date of execution shown below or (2) the filing date of the first filed of said patent applications.

Signature: _____ Date: _____
Name: Natalie SUTKOWSKI

STATE OF _____
COUNTY OF _____

BEFORE ME, the undersigned authority, on this ____ day of _____, 2011 personally appeared Natalie SUTKOWSKI, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

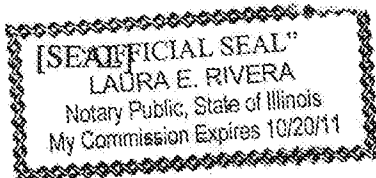
[SEAL]

Signature: *Semyon* Date: 07-22-2011
Name: Semyon RUBINCHIK

STATE OF Illinois
COUNTY OF Coak

BEFORE ME, the undersigned authority, on this 22nd day of July, 2011 personally appeared Semyon RUBINCHIK, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Laura E. Rivera
Notary or Consular Officer



FULBRIGHT & JAWORSKI L.L.P.
98 San Jacinto Boulevard, Suite 1100
Austin, Texas 78701