

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>SHINICHIRO KATO</td> <td>04/19/2010</td> </tr> <tr> <td>STEVE GRANGER</td> <td>04/23/2010</td> </tr> <tr> <td>SANDRA RICKERT</td> <td>05/21/2010</td> </tr> <tr> <td>LILIA KORIAZOVA</td> <td>04/29/2010</td> </tr> <tr> <td>TOMOYUKI TAHARA</td> <td>04/29/2010</td> </tr> </tbody> </table>		Name	Execution Date	SHINICHIRO KATO	04/19/2010	STEVE GRANGER	04/23/2010	SANDRA RICKERT	05/21/2010	LILIA KORIAZOVA	04/29/2010	TOMOYUKI TAHARA	04/29/2010
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>KYOWA HAKKO KIRIN CO., LTD.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>1-6-1 Ohtemachi</td> </tr> <tr> <td><b>Internal Address:</b></td> <td>Chiyoda-ku</td> </tr> <tr> <td><b>City:</b></td> <td>Tokyo</td> </tr> <tr> <td><b>State/Country:</b></td> <td>JAPAN</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>100-8185</td> </tr> </table>		<b>Name:</b>	KYOWA HAKKO KIRIN CO., LTD.	<b>Street Address:</b>	1-6-1 Ohtemachi	<b>Internal Address:</b>	Chiyoda-ku	<b>City:</b>	Tokyo	<b>State/Country:</b>	JAPAN	<b>Postal Code:</b>	100-8185
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<b>CORRESPONDENCE DATA</b>													
<p><b>Fax Number:</b> (703)770-7901</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p><b>Phone:</b> 703-770-7900</p> <p><b>Email:</b> patricia.munoz@pillsburylaw.com, sdipdocket@pillsburylaw.com</p> <p><b>Correspondent Name:</b> PILLSBURY WINTHROP SHAW PITTMAN LLP</p> <p><b>Address Line 1:</b> 1650 Tysons Boulevard</p> <p><b>Address Line 2:</b> P.O. Box 10500</p> <p><b>Address Line 4:</b> McLean, VIRGINIA 22102</p>													
<b>ATTORNEY DOCKET NUMBER:</b>	021286-0385629												

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**501267232**

**PATENT**  
**REEL: 024861 FRAME: 0950**

NAME OF SUBMITTER:

Robert M. Bedgood

Total Attachments: 3

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For: U.S. Rights and Foreign Rights  
For: U.S. Application  
By: Inventors

**ASSIGNMENT OF INVENTION**

For other good and valuable consideration, by ASSIGNEE to ASSIGNORS, the receipt of which is hereby acknowledged,

**ASSIGNORS:**

SHINICHIRO KATO  
2-3-28-601, Tomihama  
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Japan  
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San Diego, CA 92126  
Nationality: United States

TOMOYUKI TAHARA  
10745 Calle Mar de Mariposa  
San Diego, 92130  
Nationality: Japan

hereby sell, assign and transfer to

**ASSIGNEE:**

KYOWA HAKKO KIRIN CO., LTD.  
1-6-1 Ohtemachi  
Chiyoda-ku, Tokyo 100-8185  
Japan  
Nationality: Japan

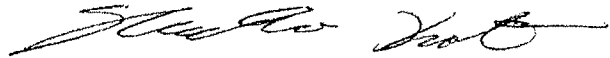
and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

VACCINIA VIRUS H3L AND B5R SPECIFIC MONOCLONAL ANTIBODIES AND METHODS OF MAKING AND USING SAME

and which is found in (37 C.F.R. § 3.21) U.S. application no. 12/682,539 filed on April 9, 2010 and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

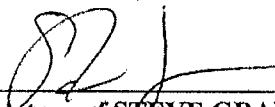
ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.



Signature of SHINICHIRO KATO

Date: April 19, 2010



Signature of STEVE GRANGER

Date: APRIL 23, 2010



Signature of SANDRA RICKERT

Date: May 21, 2010



Signature of LILIA KORIAZOVA

Date: April 29, 2010

  
Signature of TOMOYUKI TAHARA

Date: Apr 28 2010