

# PATENT ASSIGNMENT

Electronic Version v1.1

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Kenneth A. Jacobson	02/08/2011
Artem Melman	03/03/2011
Ben Bih-Ren Wang	03/05/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services
<b>Street Address:</b>	Office of Technology Transfer, National Institutes of Health
<b>Internal Address:</b>	6011 Executive Boulevard, Suite 325, MSC 7660
<b>City:</b>	Bethesda
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20892-7660
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13056997
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)616-5700
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	312-616-5600
<b>Email:</b>	email@leydig.com
<b>Correspondent Name:</b>	John Kilyk, Jr.
<b>Address Line 1:</b>	Two Prudential Plaza, Suite 4900
<b>Address Line 2:</b>	180 North Stetson Avenue
<b>Address Line 4:</b>	Chicago, ILLINOIS 60601-6731
<b>ATTORNEY DOCKET NUMBER:</b>	CHM.007511/EKM
<b>NAME OF SUBMITTER:</b>	John Kilyk, Jr.

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**501481573**

**PATENT**  
**REEL: 026030 FRAME: 0565**

Total Attachments: 12

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**ASSIGNMENT FOR NIH/FDA INVENTIONS  
(NIH OR FDA CO-INVENTORS ONLY)**

**WHEREAS**, we, Kenneth A. Jacobson, Artem Melman, and Ben Bih-Ren Wang, employees of the National Institutes of Health, a component of the United States Department of Health and Human Services having an address at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660, [hereinafter **The Inventors**], have made certain inventions as described and claimed in the U.S. Patent Application having United States Application Number 13/056,997, filed February 1, 2011, and which is entitled "A<sub>3</sub> ADENOSINE RECEPTOR ANTAGONISTS AND PARTIAL AGONISTS" ("U.S. Application") and;

**WHEREAS**, we are the applicants named in the above-identified U.S. Application; and

**WHEREAS**, the inventions described and claimed therein were made under conditions such as to entitle **THE UNITED STATES OF AMERICA**, as represented by the Secretary, Department of Health and Human Services [hereinafter **THE GOVERNMENT**] under Executive Order 10096 and its amendments, 35 USC §§200-201, §§206-207, and §210 and 37 CFR Part 501 to the entire right, title, and interest in such inventions; and

**WHEREAS**, **THE GOVERNMENT** is desirous of acquiring all domestic and foreign right, title, and interest in the inventions described and claimed in the U.S. Application; and

**NOW, THEREFORE**, having the legal obligation to assign our right, title and interest in the inventions described and claimed in the above-identified patent application to **THE GOVERNMENT**, having a place of business at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660 and for consideration, the receipt and sufficiency of which are hereby acknowledged, we hereby assign and transfer to **THE GOVERNMENT**:

the entire right, title, and interest in and to any and all inventions described and claimed in said U.S. Application and any and all Letters Patents which may be granted thereon, and any and all continuations, divisions, reissues or extensions thereof; and

all rights to claim priority on the basis of said U.S. Application including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

all applications for Letters Patents that may be filed for any and all inventions described and claimed in said U.S. Application that may be filed in any foreign country and all Letters Patents that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

any and all such Letters Patents as may be granted in the United States or any foreign country to be held by **THE GOVERNMENT** to the end of the term for which the same would have been held by the inventors had this assignment not been made.

we further agree to make, execute, and deliver to **THE GOVERNMENT**, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patents, and to assist **THE GOVERNMENT** in every way as may be requested in protecting said inventions.

IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

<b>Inventor 1:</b>	
<u>Feb. 8, 2011</u> Date	<u>Kenneth A. Jacobson</u> Kenneth A. Jacobson
County of <u>Montgomery</u>	
State of <u>Maryland</u>	
Subscribed and sworn to before me this <u>8<sup>th</sup></u> day of <u>February</u> , <u>2011</u>	
[Seal]	<u>Gita Shah</u> Notary Public for <u>Kenneth A. Jacobson</u> My Commission Expires <u>NOTARY PUBLIC</u> Montgomery County, Maryland My Commission Expires 7/12/2012

**Inventor 2:**

\_\_\_\_\_ Date

\_\_\_\_\_ Artem Melman

County of \_\_\_\_\_

State of \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_.

[Seal]

\_\_\_\_\_  
Notary Public for \_\_\_\_\_

My Commission Expires: \_\_\_\_\_

**Inventor 3:**

\_\_\_\_\_ Date

\_\_\_\_\_ Ben Bih-Ren Wang

County of \_\_\_\_\_

State of \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

[Seal]

\_\_\_\_\_  
Notary Public for \_\_\_\_\_

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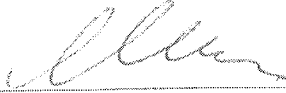
<b>Inventor 1:</b>	
_____	_____
Date	Kenneth A. Jacobson
County of _____	
State of _____	
Subscribed and sworn to before me this ____ day of _____, ____.	
[Seal]	_____
	Notary Public for _____
	My Commission Expires: _____



Inventor 2:

3/3/11

Date



Artem Melman


County of St. Lawrence

State of New York

Subscribed and sworn to before me this 3<sup>rd</sup> day of March, 2011.

[Seal]

LAURIE A. LUCAS  
Notary Public, State of New York  
#00800000  
Qualified in St. Lawrence County  
Commission Expires December 11, 2013



Notary Public for New York State

My Commission Expires: 12-11-2013

**Inventor 3:**

\_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Ben Bih-Ren Wang \_\_\_\_\_

County of \_\_\_\_\_

State of \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

[Seal]

\_\_\_\_\_  
Notary Public for \_\_\_\_\_

My Commission Expires: \_\_\_\_\_

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<b>Inventor 1:</b>	
_____	_____
Date	Kenneth A. Jacobson
County of _____	
State of _____	
Subscribed and sworn to before me this ____ day of _____, ____.	
[Seal]	_____
	Notary Public for _____
	My Commission Expires: _____

**Inventor 2:**

\_\_\_\_\_ Date

\_\_\_\_\_ Artem Melman

County of \_\_\_\_\_

State of \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_.

[Seal]

\_\_\_\_\_  
Notary Public for \_\_\_\_\_

My Commission Expires: \_\_\_\_\_

**Inventor 3:**

3/5/2011  
Date  
Ben Bih-Ren Wang  
Ben Bih-Ren Wang  
County of HOWARD  
State of Maryland  
Subscribed and sworn to before me this 5 day of mar, 2011

[Seal]

Sinda Elaine Bennett  
Notary Public for HOWARD COUNTY  
My Commission Expires: 3/18 2014  
MY Comm. Exp.