

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4089425

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WENBIN LIN	07/06/2015
TAKAHIRO SAWANO	07/06/2015
JOSEPH M. FALKOWSKI	09/03/2015
RECEIVING PARTY DATA	
Name:	THE UNIVERSITY OF CHICAGO
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City:	CHAPEL HILL
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Postal Code:	27517
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15129851
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ATTORNEY DOCKET NUMBER:	3072/3 PCT/US

NAME OF SUBMITTER:	LISA MERRITT
SIGNATURE:	/lisa merritt/
DATE SIGNED:	10/10/2016
Total Attachments: 5 source=Executed_Assignments_3072-3_PCT-US_asfiled#page1.tif source=Executed_Assignments_3072-3_PCT-US_asfiled#page2.tif source=Executed_Assignments_3072-3_PCT-US_asfiled#page3.tif source=Executed_Assignments_3072-3_PCT-US_asfiled#page4.tif source=Executed_Assignments_3072-3_PCT-US_asfiled#page5.tif	

ASSIGNMENT

Pursuant to our obligation to **THE UNIVERSITY OF CHICAGO** ("ASSIGNEE"), an Illinois not for profit corporation having its principal place of business at 5801 S. Ellis Avenue, Chicago, Illinois 60637, and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Wenbin Lin

Takahiro Sawano

confirm that we have sold, assigned, and conveyed unto ASSIGNEE, its successors and assigns, or to the extent we have not yet sold, assigned or conveyed, do hereby sell, assign and convey unto ASSIGNEE, its successors and assigns, our entire right, title, and interest -

(1) in and to an invention entitled "**CHIRAL LIGAND-BASED METAL-ORGANIC FRAMEWORKS FOR BROAD-SCOPE ASYMMETRIC CATALYSIS**" ("INVENTION") for which we have executed United States PCT Application PCT/US2015/023331 filed on March 30, 2015, which claims the benefit of priority of United States Provisional Application 61/971,890 filed on March 28, 2014;

(2) in and to said United States patent applications, in and to all other patent applications (including US Utility, divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention, including the right to claim priority to said Provisional patent application and to all other applications based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted. The effective date of this Assignment is March 28, 2014;



(3) in and to all patent applications based on INVENTION now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said foreign applications to the full end of the term or terms for which said foreign patents may be granted; AND

(4) in and to the right the claim the full benefits and priority rights under the International Convention (and any other international agreement to which the United States adheres) in and to any and all patent applications – both United States and foreign patent applications – based on INVENTION now or hereafter filed.

And we hereby agree that, under the International Convention, any United States patent application(s) and any foreign application(s) which may be filed shall be filed in the name of ASSIGNEE with a claim to priority based on said United States Application.

And we hereby agree that we will, upon request of ASSIGNEE, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary – or deemed by ASSIGNEE, its successors or assigns, to be necessary – to a complete fulfillment of the intents and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by ASSIGNEE, its successors or assigns, and not by us.

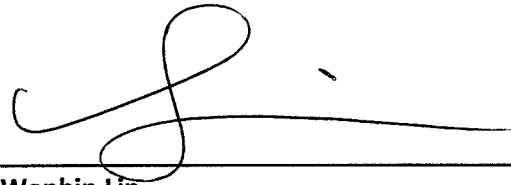
And the Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said United States patent or patents to ASSIGNEE.

7/6/2015

Date

07/06/2015

Date



Wenbin Lin



Witness Signature

Takahiro Sawano

Witness Printed Name

07/06/2015

Date

07/06/2015

Date



Takahiro Sawano



Witness Signature

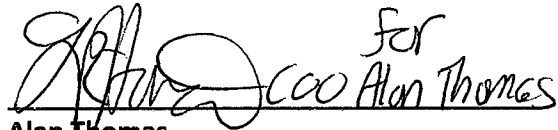
Pengfei Ji

Witness Printed Name

7/9/15

Date

Timothy Honaker, COO



Alan Thomas

Associate Vice President & Director,
Center for Technology Development & Ventures, The
University of Chicago

PATENT

Atty. Docket No.: 3072/3 PCT

ASSIGNMENT

WHEREAS, I, Joseph M. Falkowski, of Annandale, New Jersey (hereinafter "Assignor"), have invented certain new and useful improvements in CHIRAL LIGAND-BASED METAL-ORGANIC FRAMEWORKS FOR BROAD-SCOPE ASYMMETRIC CATALYSIS (hereinafter "Invention") for which a U.S. Provisional Patent Application was filed on March 28, 2014 as U.S. Patent Application No. 61/971,890 and an International Patent Application was filed on March 30, 2015 as PCT International Patent Application No. PCT/US2015/023331 (hereinafter "Applications").

AND, WHEREAS, The University of North Carolina at Chapel Hill, a non-profit organization located in Chapel Hill, North Carolina (hereinafter "Assignee"), is desirous of acquiring an interest therein.

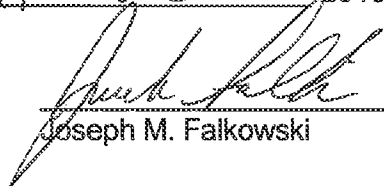
NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold and by these presents do hereby sell, assign, transfer and convey unto the Assignee, its successors and assigns, their entire right, title and interest in and to the Invention and Applications, and in and to any and all United States patent applications or foreign patent applications pertaining to said Invention and/or which are based on or claim priority to the PCT International Patent Application referenced above and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with their right to claim the priority of the Applications in all countries in accordance with the Paris Convention, the Patent Cooperation Treaty, or other agreement or national law under which priority can be claimed, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.

PATENT

REEL: 039973 FRAME: 0788

Assignor further covenants and agrees, and likewise bind his heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to the Invention, to testify in any interference or legal proceedings involving the Applications or Invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the Invention in all countries and to vest in the Assignee complete title to the Invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

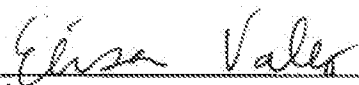
Executed this 3rd day of September 2015.



Joseph M. Falkowski

Witnessed by:

 9/3/15
Name Date

 9/3/15
Name Date
