

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4527951

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DR. ALAN S. GOLDMAN	07/19/2017
DR. AKSHAI KUMAR	09/21/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
<b>Street Address:</b>	OLD QUEEN'S
<b>Internal Address:</b>	SOMERSET STREET
<b>City:</b>	NEW BRUNSWICK
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	08901
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15664333
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)332-9081
<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>	612-332-5300
<b>Email:</b>	lkenney@merchantgould.com
<b>Correspondent Name:</b>	MERCHANT & GOULD P.C.
<b>Address Line 1:</b>	P.O. BOX 2903
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402-0903
<b>ATTORNEY DOCKET NUMBER:</b>	70205.0580USU1
<b>NAME OF SUBMITTER:</b>	MELISSA M. HAYWORTH
<b>SIGNATURE:</b>	/Melissa M. Hayworth/
<b>DATE SIGNED:</b>	07/31/2017
<b>Total Attachments: 3</b>	
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source=0580USU1_Assignment-Rutgers#page3.tif	

## ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORs of the sum of One Dollar (\$1.00) and for other good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNORs:

Name	Address
Alan S. Goldman	202 Grant Avenue, Highland Park, New Jersey 08904
Akshai Kumar	11 Raritan Ave, Apt. E4W, Highland Park, New Jersey 08904 <b>Current address: Apartment Number D-030, Indian Institute of Technology Guwahati, Guwahati -781039, Assam, INDIA</b>

hereby sell, assign and transfer to:

ASSIGNEE:

Name	Address
Rutgers, the State University of New Jersey	Old Queen's, Somerset Street, New Brunswick, New Jersey 08901

and the successors, assigns and legal representatives of the ASSIGNEE, 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 the invention entitled:

### **ALKANE-ALKENE COUPLING VIA TANDEM ALKANE-DEHYDROGENATION/ALKENE-DIMERIZATION CATALYZED BY Pincer Iridium Catalyst Heterogenized on Solid Supports**

invented by Goldman et al. and which is found in:

- ☐ the U.S. patent application executed on even date herewith;
- ☒ the U.S. provisional patent application no.: 62/374,662 filed: August 12, 2016
- ☒ the U.S. patent application no.: 15/664,333 filed July 31, 2017;
- ☐ the International Application no.: filed:
- ☐ the U.S. patent no. issued on ;

and, in and to all Letters Patent, both foreign and domestic, to be obtained for said invention by the aforesaid U.S. patent application, and in and to all Non-Provisional and International Applications claiming priority therefrom, and all Letters Patent, both foreign and domestic, to be obtained for said invention by the aforesaid Non-Provisional and International Applications claiming priority therefrom, and all continuation, division, renewal, continuation-in-part or substitute of said Non-Provisional U.S. Patent Applications, and as to Letters Patent and any reissue or re-examination thereof, and to any legal equivalent thereof in a foreign country, including, the right to apply for patents and inventor certificates in respect thereof, the right to claim priority, and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of the invention.

ASSIGNORs hereby authorize ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application or any other information that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

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 and agree 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 that ASSIGNORS will, at ASSIGNEE's expense, testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE, its assigns or its legal representatives, without further or additional consideration, any and all papers, instruments or affidavits required, render all necessary assistance, and do such additional acts as ASSIGNEE may deem necessary or desirable, 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.

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE sole use and benefit, and for the use and benefit of ASSIGNEE legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made.

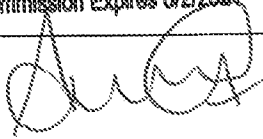
The parties agree that the foregoing covenants and obligations shall bind and inure to the benefit of the heirs, assigns and legal representatives of both parties.

Name:   
DR. ALAN S. GOLDMAN

Date: 7/19/17

State of New Jersey  
County of Middlesex

Before me this 19<sup>th</sup> day of July, 2017, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

ANURADHA U. KADAM  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 8/2/2021  
Notary Public 

Name: \_\_\_\_\_

DR. AKSHAI KUMAR

Date: \_\_\_\_\_

09/21/2016

21/09/2016

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

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

Before me this 21<sup>st</sup> day of September, 2016, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

Notary Public

Witness; Dr. Achalkumar A. S