

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHANDRANI GHOSH	12/09/2015
RYAN J. TROVITCH	11/17/2015
RAJA PAL	12/02/2015
TYLER M. PORTER	01/03/2016
TUFAN K. MUKHOPADHYAY	12/09/2015
HAGIT BEN-DAAT LEVIN	11/24/2015
RECEIVING PARTY DATA	
Name:	ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY
Street Address:	1475 NORTH SCOTTSDALE ROAD
Internal Address:	SUITE 200
City:	SCOTTSDALE
State/Country:	ARIZONA
Postal Code:	85257
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14896813
CORRESPONDENCE DATA	
Fax Number:	(414)271-3552
<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>	
Phone:	414-277-5000
Email:	kathy.mcgraw@quarles.com
Correspondent Name:	QUARLES & BRADY LLP
Address Line 1:	411 E. WISCONSIN AVE., SUITE 2350
Address Line 2:	C/O RICHARD T ROCHE
Address Line 4:	MILWAUKEE, WISCONSIN 53202-4426
ATTORNEY DOCKET NUMBER:	112624.00643/M13-208P
NAME OF SUBMITTER:	RICHARD T. ROCHE
SIGNATURE:	/Richard T. Roche/

DATE SIGNED:	05/03/2017
Total Attachments: 6 source=assignments-tbf#page1.tif source=assignments-tbf#page2.tif source=assignments-tbf#page3.tif source=assignments-tbf#page4.tif source=assignments-tbf#page5.tif source=assignments-tbf#page6.tif	

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we,

HAGIT BEN-DAAT LEVIN, (Assignor) of Scottsdale, Arizona,

have sold, assigned, and transferred, and do hereby sell, assign, and transfer unto **ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY** (Assignee), a non-profit organization of the State of Arizona, having its principal office in Scottsdale, State of Arizona, United States of America, and its successors, assigns, and legal representatives, the entire right, title, and interest in and to certain invention(s) entitled **FIRST-ROW TRANSITION METAL HYDROGENATION AND HYDROSILYATION CATALYSTS**, which is described, illustrated, and claimed in International Application No. PCT/US2014/041845 filed on June 11, 2014, which claims the benefit of U.S. Provisional Application No. 61/834,220, filed on June 12, 2013, and U.S. Provisional Application No. 61/916,448, filed on December 16, 2013, together with the entire right, title and interest in and to the US application, and in and to any application for patent filed in any country claiming priority to, claiming the invention described in, or otherwise based on the US application, and in and to any continuation, division, reissue, reexamination, extension, renewal, or substitute thereof, and in and to any patent which may grant from such application(s).

I hereby authorize and request all government authorities in any country to issue patent(s) upon the aforesaid application, continuation, division, reissue, reexamination, extension, renewal, or substitute, to Assignee, for the sole use and behalf of Assignee, its successors, assigns, and legal representatives, to the full end of the term for which the patent(s) may be granted, the same as they would have been held and enjoyed by us had this assignment not been made.

I agree that, when requested, I will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient for securing and maintaining patents for the invention(s) in any and all countries and for vesting title thereto in Assignee, its successors, assigns, and legal representatives or nominees.

I covenant with Assignee, its successors, assigns, and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license, or other encumbrance.


Signature by: HAGIT BEN-DAAT LEVIN

11/24/2015
Date

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we,

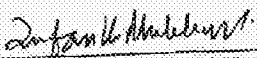
TUFAN K. MUKHOPADHYAY (Assignor) of Tempe, Arizona,

have sold, assigned, and transferred, and do hereby sell, assign, and transfer unto **ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY** (Assignee), a non-profit organization of the State of Arizona, having its principal office in Scottsdale, State of Arizona, United States of America, and its successors, assigns, and legal representatives, the entire right, title, and interest in and to certain invention(s) entitled **FIRST-ROW TRANSITION METAL HYDROGENATION AND HYDROSILYATION CATALYSTS**, which is described, illustrated, and claimed in International Application No. PCT/US2014/041845 filed on June 11, 2014, which claims the benefit of U.S. Provisional Application No. 61/834,220, filed on June 12, 2013, and U.S. Provisional Application No. 61/916,448, filed on December 16, 2013, together with the entire right, title and interest in and to the US application, and in and to any application for patent filed in any country claiming priority to, claiming the invention described in, or otherwise based on the US application, and in and to any continuation, division, reissue, reexamination, extension, renewal, or substitute thereof, and in and to any patent which may grant from such application(s).

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Signature by: **TUFAN K. MUKHOPADHYAY**

12/09/15
Date

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we,

TYLER M. PORTER, (Assignor) of Cave Creek, Arizona,

have sold, assigned, and transferred, and do hereby sell, assign, and transfer unto **ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY** (Assignee), a non-profit organization of the State of Arizona, having its principal office in Scottsdale, State of Arizona, United States of America, and its successors, assigns, and legal representatives, the entire right, title, and interest in and to certain invention(s) entitled **FIRST-ROW TRANSITION METAL HYDROGENATION AND HYDROSILYATION CATALYSTS**, which is described, illustrated, and claimed in International Application No. PCT/US2014/041845 filed on June 11, 2014, which claims the benefit of U.S. Provisional Application No. 61/834,220, filed on June 12, 2013, and U.S. Provisional Application No. 61/916,448, filed on December 16, 2013, together with the entire right, title and interest in and to the US application, and in and to any application for patent filed in any country claiming priority to, claiming the invention described in, or otherwise based on the US application, and in and to any continuation, division, reissue, reexamination, extension, renewal, or substitute thereof, and in and to any patent which may grant from such application(s).

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Signature by: TYLER M. PORTER

01/03/16
Date

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we,

RAJA PAL (Assignor) of Tempe, Arizona,

have sold, assigned, and transferred, and do hereby sell, assign, and transfer unto **ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY** (Assignee), a non-profit organization of the State of Arizona, having its principal office in Scottsdale, State of Arizona, United States of America, and its successors, assigns, and legal representatives, the entire right, title, and interest in and to certain invention(s) entitled **FIRST-ROW TRANSITION METAL HYDROGENATION AND HYDROSILYATION CATALYSTS**, which is described, illustrated, and claimed in International Application No. PCT/US2014/041845 filed on June 11, 2014, which claims the benefit of U.S. Provisional Application No. 61/834,220, filed on June 12, 2013, and U.S. Provisional Application No. 61/916,448, filed on December 16, 2013, together with the entire right, title and interest in and to the US application, and in and to any application for patent filed in any country claiming priority to, claiming the invention described in, or otherwise based on the US application, and in and to any continuation, division, reissue, reexamination, extension, renewal, or substitute thereof, and in and to any patent which may grant from such application(s).

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Signature by: **RAJA PAL**

12/02/15

Date

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we,

RYAN J. TROVITCH, (Assignor) of Phoenix, Arizona,

have sold, assigned, and transferred, and do hereby sell, assign, and transfer unto **ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY** (Assignee), a non-profit organization of the State of Arizona, having its principal office in Scottsdale, State of Arizona, United States of America, and its successors, assigns, and legal representatives, the entire right, title, and interest in and to certain invention(s) entitled **FIRST-ROW TRANSITION METAL HYDROGENATION AND HYDROSILYATION CATALYSTS**, which is described, illustrated, and claimed in International Application No. PCT/US2014/041845 filed on June 11, 2014, which claims the benefit of U.S. Provisional Application No. 61/834,220, filed on June 12, 2013, and U.S. Provisional Application No. 61/916,448, filed on December 16, 2013, together with the entire right, title and interest in and to the US application, and in and to any application for patent filed in any country claiming priority to, claiming the invention described in, or otherwise based on the US application, and in and to any continuation, division, reissue, reexamination, extension, renewal, or substitute thereof, and in and to any patent which may grant from such application(s).

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Signature by: **RYAN J. TROVITCH**

11/17/2015
Date

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we,

CHANDRANI GHOSH, (Assignor) of Wolkata, West Bengal INDIA,

have sold, assigned, and transferred, and do hereby sell, assign, and transfer unto **ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY** (Assignee), a non-profit organization of the State of Arizona, having its principal office in Scottsdale, State of Arizona, United States of America, and its successors, assigns, and legal representatives, the entire right, title, and interest in and to certain invention(s) entitled **FIRST-ROW TRANSITION METAL HYDROGENATION AND HYDROSILYATION CATALYSTS**, which is described, illustrated, and claimed in International Application No. PCT/US2014/041845 filed on June 11, 2014, which claims the benefit of U.S. Provisional Application No. 61/834,220, filed on June 12, 2013, and U.S. Provisional Application No. 61/916,448, filed on December 16, 2013, together with the entire right, title and interest in and to the US application, and in and to any application for patent filed in any country claiming priority to, claiming the invention described in, or otherwise based on the US application, and in and to any continuation, division, reissue, reexamination, extension, renewal, or substitute thereof, and in and to any patent which may grant from such application(s).

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Chandrani Ghosh
Signature by: **CHANDRANI GHOSH**

12/09/15
Date