

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5404888

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LIANG-SHIH FAN	02/12/2019
DEVEN SWAPNESHU BASER	02/12/2019
PETER SANDVIK	02/11/2019
MANDAR KATHE	02/11/2019
CHARLES FRYER	02/03/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	OHIO STATE INNOVATION FOUNDATION
<b>Street Address:</b>	1524 NORTH HIGH STREET
<b>City:</b>	COLUMBUS
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	43201
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16260447
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)222-0818
<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>	(312) 222-0800
<b>Email:</b>	chiipdocket@michaelbest.com
<b>Correspondent Name:</b>	MICHAEL R. LANGER
<b>Address Line 1:</b>	444 W. LAKE STREET
<b>Address Line 2:</b>	SUITE 3200
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	029784-9107-US02
<b>NAME OF SUBMITTER:</b>	MICHAEL R. LANGER
<b>SIGNATURE:</b>	/Michael R. Langer/
<b>DATE SIGNED:</b>	03/05/2019
<b>Total Attachments: 6</b>	

source=2018-214-029784-9107-US02-ASSIGNMENT-OSIF-03-05-19#page1.tif

source=2018-214-029784-9107-US02-ASSIGNMENT-OSIF-03-05-19#page2.tif

source=2018-214-029784-9107-US02-ASSIGNMENT-OSIF-03-05-19#page3.tif

source=2018-214-029784-9107-US02-ASSIGNMENT-OSIF-03-05-19#page4.tif

source=2018-214-029784-9107-US02-ASSIGNMENT-OSIF-03-05-19#page5.tif

source=2018-214-029784-9107-US02-ASSIGNMENT-OSIF-03-05-19#page6.tif

ASSIGNMENT OF PATENT RIGHTS

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

Liang-Shih Fan, residing at 1286 Castleton Rd N, Columbus, OH 43220  
Deven Swapneshu Baser, residing at 980 Kings Ave, 1-11, Columbus, OH 43212  
Peter Sandvik, residing at 38 W Northwood Ave, Columbus, OH 43201  
Mandar Kathe, residing at 1850 North Star Rd. Apt #40, Columbus, OH 43212 and  
Charles Fryer, residing at 1006 Enid St #A, Houston, TX 77009

(hereinafter "ASSIGNORS") hereby sell, assign and transfer to **OHIO STATE INNOVATION FOUNDATION**, having offices located at 1524 North High Street, Columbus, Ohio 43201 (hereinafter "Assignee"), its successors, assigns and legal representatives, the entire right, title and interest, in and to any and all inventions which are disclosed in:

U.S. Patent Application No. 16/260,447; filed January 29, 2019

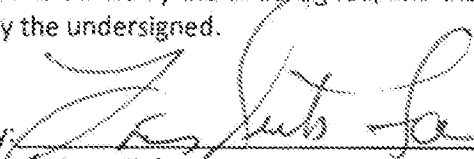
Titled: SYSTEMS, METHODS AND MATERIALS FOR NO<sub>x</sub> DECOMPOSITION WITH METAL OXIDE MATERIALS

SUCH ASSIGNMENT shall be in and to each said application and extensions thereof including all rights of priority arising therefrom and in and to all provisional, non-provisional, continuation, continuation-in-part, divisional, substitute, renewal, and reissue applications directed to the same invention which have been or will be filed and all other applications for Letters Patent which have been or shall be filed in the United States and all countries of the world and all international applications on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all countries of the world on said invention. We hereby authorize and request the Commissioner of Patents or other proper Officer to issue such Letters Patent to the above Assignee, its successors and/or assigns.

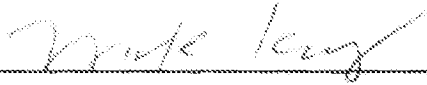
ASSIGNORS also agree that said Assignee may apply for, receive and maintain Letters Patent for said inventions in its own name; and that, when requested, without charge to, but at the expense of said Assignee, its successors, assigns and legal representatives, Assignors will carry out in good faith the intent and purpose of this assignment and that the undersigned will execute all continuation, continuation-in-part, divisional, substitute, renewal, and reissue applications, and all other patent applications on any and all said inventions for the U.S., all other countries of the world and under all treaties; and will execute all rightful oaths, supplemental oaths, preliminary statements, assignments, powers of attorney, assurance of title, declarations and other papers for the U.S., all other countries and under all treaties, and will communicate to said Assignee, its successors, assigns and representatives, all facts known to the undersigned relating to said inventions and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions, and for complying with applicable law and for vesting title to said inventions and all applications for patents and all patents on said inventions in said Assignee, its successors, assigns and legal representatives for the U.S., all other countries and under all related treaties.

ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of said Assignee to apply for, defend or enforce a patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority,

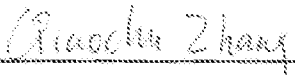
ASSIGNORS FURTHER covenants with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: Feb 12, 2019 By:   
Liang-Shih Fan

WITNESSED BY:

  
Printed Name Frank Kong  
Date: 2/12/2019

WITNESSED BY:

  
Printed Name Qiaochu Zhang  
Date: 02/12/2019

ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of said Assignee to apply for, defend or enforce a patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

ASSIGNORS FURTHER covenants with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 02/12/2019 By: *Deven Swarneshu Baser*  
Deven Swarneshu Baser

WITNESSED BY:

*SABaser*

Printed Name SWARNESHU BASER

Date: 02/12/2018

WITNESSED BY:

*S.S. Baser*

Printed Name Shubhangi Baser

Date: 02/12/2019

ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of said Assignee to apply for, defend or enforce a patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority,

ASSIGNORS FURTHER covenants with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 2/11/2019 By: Peter Sandvik  
Peter Sandvik

WITNESSED BY:  
Melanie Gross

Printed Name Melanie Gross

Date: 2/11/2019

WITNESSED BY:  
Frank Kang

Printed Name Frank Kang

Date: 2/11/2019

ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of said Assignee to apply for, defend or enforce a patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority,

ASSIGNORS FURTHER covenants with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 2/11/2019 By:   
Mandar Kathe

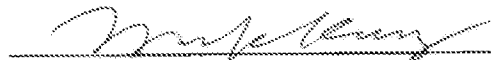
WITNESSED BY:



Printed Name Melanie Gross

Date: 2/11/2019

WITNESSED BY:



Printed Name Frank Keeg


Date: 2/11/2019

ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of said Assignee to apply for, defend or enforce a patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority,

ASSIGNORS FURTHER covenants with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 2/3/2019 By:   
Charles Fryer

WITNESSED BY:

  
Printed Name Colin Zweker  
Date: 2-3-19

WITNESSED BY:

  
Printed Name ROHAN PITRE  
Date: 2-3-19

(ASSIGNEE)

OHIO STATE INNOVATION FOUNDATION

By: \_\_\_\_\_  
Name:  
Title:

Dated: \_\_\_\_\_