PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5144117

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZIGUI LU	09/07/2018
YUNXIANG LU	09/11/2018
GERVASE MAXWELL CHRISTIE	09/11/2018
JONATHAN A. LANE	09/11/2018
PAWEL J. PLONCZAK	09/11/2018
JOSEPH M. CORPUS	09/05/2018

RECEIVING PARTY DATA

Name:	PRAXAIR TECHNOLOGY, INC.
Street Address:	10 RIVERVIEW DRIVE
City:	DANBURY
State/Country:	CONNECTICUT
Postal Code:	06810-5113

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16085786

CORRESPONDENCE DATA

Fax Number: (203)837-2515

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.

Phone: 203-837-2292

Email: Praxair_IP@Praxair.com

PRAXAIR, INC. LAW DEPARTMENT **Correspondent Name:**

Address Line 1: 10 RIVERVIEW DRIVE

Address Line 4: DANBURY, CONNECTICUT 06810-5113

ATTORNEY DOCKET NUMBER:	13845-WO-US
NAME OF SUBMITTER:	TONIANN FONTE
SIGNATURE:	/toniann fonte/
DATE SIGNED:	09/17/2018

Total Attachments: 7

PATENT REEL: 047530 FRAME: 0874

505097357

PATENT REEL: 047530 FRAME: 0875

ASSIGNMENT OF INVENTION, PRIORITY RIGHTS AND RIGHTS TO APPLY FOR PATENTS

We, the undersigned,

NAME	RESIDING AT	CITIZENSHIP
Zigui Lu	57 Wagon Wheel Dr., East Amherst, NY 14051	US
Yunxiang Lu	59 Spicebush Lane Unit 59, Williamsville, NY 14221	China
Gervase Maxwell Christie	186 Meadowview Lane, Amherst, NY 14221	US
Jonathan A. Lane	58 Berwin Drive, Snyder, NY 14226	UK
Pawel J. Plonczak	57 Morningside Lane, Amherst, NY 14221	US
Joseph M. Corpus	1717 Bentbrook Drive, Avon, IN 46123	US
believing that we are the original, first and true inventors of an invention for:		

CATALYST-CONTAINING OXYGEN TRANSPORT MEMBRANE

as described and/or claimed in our application for Letters Patent in the United States of America,

filed on September 17, 2018, Serial No. 16/085,786, Attorney Docket No. 13845-WO-US (this application claims the benefit of International Application No. PCT/US2017/020408, filed on March 2, 2017, which claimed the benefit of U.S. Provisional Application Serial No. 62/316,694, filed on April 1, 2016, which are incorporated herein by reference.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is acknowledged and in fulfillment of our pre-existing obligations of assignment;

WE DO HEREBY ASSIGN AND TRANSFER our entire right, title, and interest in and to said invention and application unto

PRAXAIR TECHNOLOGY, INC.

a corporation organized and existing under the laws of the State of Delaware, United States of America, its successors and nominees, having an office at 10 Riverview Drive, Danbury, Connecticut 06810, United States of America, as the Assignee, without any restrictions, reservations or limitations, the entire right, title and interest in and to the aforesaid application for Letters Patent and all patents which may be granted thereon, and all applications claiming priority thereof including all divisions, continuations, continuations-in-part, reissues and extension thereof;

INCLUDING ALL RIGHTS in and to said invention in any country of the world, including, but not limited to, all priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and for any and all member countries of the aforesaid International Convention;

PATENT REEL: 047530 FRAME: 0876 AND FURTHER INCLUDING THE SOLE RIGHT to file such applications under the Patent Laws of any country of the world in its name and/or ours, and the sole right to have patents granted on said applications in its name and/or ours to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment not been made, and to enforce said patents with our right to sue in any court of competent jurisdiction and obtain all remedies available, including but not limited to injunctions and to recover lost profits or compensatory and enhanced damages and atterneys fee for any and all infringements thereof:

AND we authorize insertion of the appropriate identification information above and agree that we will communicate to said PRAXAIR TECHNOLOGY, INC, or its representatives any facts known to us respecting said invention and testify in legal proceedings, sign all lawful papers, execute all divisional, continuing, continuation-in-part, extensions and reissue applications, make all rightful caths and generally do everything possible to aid said PRAXAIR TECHNOLOGY, INC, its successors, assigns, or nominees, to obtain and enforce proper protection for said invention in all countries.

l eth	as ada NY
SIGNED AND SEALED AT	
this 7 day of September	2018. E L.
	Liteli LV
WITNESSED:	
assignment, that on this 7 day of Septe	nown to us to be the individual described in this when the secondly present and did secons/secondly present and did secons sec
First/Witness	Second Witness
GOHN PECK	Timathy Schwartz
SG SUNSET CREEK OR.	53 Covington Dr.
WEST SENERA NY 14224 Post Office Address	West Seneca, NY 14220 Post Office Address

SIGNED AND SEALED AT Tonaw	anda. NY
(city, state))
this 11 th day of September	, 2018.
y	- Gan
	YUNXIÁNG LU
WITNESSED:	
assignment, that on this 1166 day of September	is known to us to be the individual described in this Ler. 2018, we were personally present and did see the/she acknowledged to us that he/she executed the same es therein set forth.
First Witness	Second Witness
MAULIK R. SHELAT	131 Paradise LN Apt. 13 Tonewanda NT
5405 VELLAGE STATION CIR.	Apt. 13 Tonewanda NT
WILLIAMSVILLE, NY 14221	14150
Post Office Address	Post Office Address

SIGNED AND SEALED AT	NAA, NY
(city,	state)
this// day ofSEPTEMBER_	
	GERVASE MAXWELL CHRISTIE
WITNESSED:	
• •	his assignment and that he/she acknowledged to us that id deed for the uses and purposes therein set forth.
Äirst Witness	Second Witness
ES BERWIN OR	57 Horningside, Ly
SNYORR, NY 14226	Amhorst NY, 14221
Post Office Address	Post Office Address

SIGNED AND SEALED AT (city, state)	twanioa , NY
this 11 day of SETTEMBER	, 2018.
WITNESSED:	JONATHAN A. LANE
this assignment, that on this day of	anety at
Pour Probozo 4	Mand All Second Witness
	186 MEADOLVIEW LANE
57 Horningsid Lu Amhond , NY , 14221	AMHERST, NY, 14221
Post Office Address	Post Office Address

SIGNED AND SEALED AT	ongwoodd NY
(city,	ongwoudg NY , state)
this 11th day of September	, 2018.
,	POSE STONES
	PAWEL J. PLONCZAK
WITNESSED:	
him/her sign and execute this assignment and as his/her free act and deed for the uses and prirst Witness	2018, we were personally present and did see that he/she acknowledged to us that he/she executed the same urposes therein set forth.
First Witness	Second Witness
S& BERWIN OR	186 MENDOWNEW LANE
SMYDER, NY 14226	AMMERST, NY 14221
Post Office Address	Post Office Address

SIGNED AND SEALED AT	<u> 40245, 10</u>
(city, state) this 5 4day of 567520518.	
	and the second s
WITNESSED:	JOSEPH NA CORPUS
this assignment, that on this 5th day of \leq	Corpus is known to us to be the individual described in 2018, we were personally present and did set the same acknowledged to us that he/she executed the same ses therein set forth.
Latly Woodall	Second Witness
Kathy Nowlall	Ausel Anez
1082 Lake Dr W	7130 Topp Creek CT.
Browdows IN 4611Z	Inclian epolis IN 46214 Post Office Address
Post Office Addless	Post Office Address