

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5428742

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AARON REINICKER	03/14/2019
ASHWINI K SINHA	03/14/2019
QIONG GUO	03/14/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16248952

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: 203-837-2776

Email: Praxair_IP@Praxair.com

Correspondent Name: PRAXAIR, INC. LAW DEPARTMENT

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Address Line 4: DANBURY, CONNECTICUT 06810-5113

ATTORNEY DOCKET NUMBER:	14057-US-C1
NAME OF SUBMITTER:	NILAY S. DALAL
SIGNATURE:	/Nilay S. Dalal/
DATE SIGNED:	03/19/2019

Total Attachments: 4

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JOINT

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

We, the undersigned,

<u>NAME</u>	<u>RESIDING AT</u>	<u>CITIZENSHIP</u>
Aaron Reinicker	347 Maryland Street, Buffalo, NY 14201	US
Ashwini K. Sinha	72 Plantation Court, East Amherst, NY 14051	IN
Qiong Guo	5538 Meadowglen Drive, Clarence Center, NY 14032	CN

believing that we are the original, first and true inventors of an invention for:

**TIN-CONTAINING DOPANT COMPOSITIONS, SYSTEMS AND METHODS FOR USE IN ION
IMPLANTATION SYSTEMS**

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

filed on January 16, 2019, Serial No. 16/248,952 (Attorney Docket No. 14057-US-C1)

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;

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 attorneys 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 oaths 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.

SIGNED AND SEALED AT Tonawanda, NY
(city, state)

this 14th day of March, 2019.

Aaron Reinicker
Aaron Reinicker

WITNESSED:

BE IT KNOWN, that Aaron Reinicker is known to us to be the individual described in this assignment, that on this 14th day of March, 2019, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

Collin
First Witness Signature

Qiong Guo
Print Name

5538 Meadowsides Dr
Post Office Address

Clarence Center, NY 14032
City State Zip

Alfred
Second Witness Signature

Ashwini Sinha
Print Name

72 Plantation Ct.
Post Office Address

East Amherst, NY - 14051
City State Zip

SIGNED AND SEALED AT Tonawanda, NY
(city, state)

this 14 day of March, 2019.

Ashwini K. Sinha
Ashwini K. Sinha

WITNESSED:

BE IT KNOWN, that Ashwini K. Sinha is known to us to be the individual described in this assignment, that on this 14 day of March, 2019, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

Aaron Reinicker
First Witness Signature

Aaron Reinicker
Print Name
347 Maryland St.
Post Office Address
Buffalo, NY 14201
City State Zip

Qiong Guo
Second Witness Signature

Qiong Guo
Print Name
558 Meadowlark Dr.
Post Office Address
Clarence Center, NY 14032
City State Zip

SIGNED AND SEALED AT Tonawanda, New York
(city, state)

this 14 day of March, 2019.

Qiong Guo
Qiong Guo

WITNESSED:

BE IT KNOWN, that Qiong Guo is known to us to be the individual described in this assignment, that on this 14th day of March, 2019, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

Aaron Reinicker
First Witness Signature

Aaron Reinicker
Print Name

347 Maryland Street
Post Office Address

Buffalo, NY 14201
City State Zip

Ashwini Sinha
Second Witness Signature

Ashwini Sinha
Print Name

72 Plantation Ct
Post Office Address

East Amherst, NY- 14051
City State Zip