

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3096837

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SEAN M. KELLY	10/16/2014
GERVASE MAXWELL CHRISTIE	10/22/2014
LEE J. ROSEN	11/05/2014
CHARLES ROBINSON	10/29/2014
JAMIE R. WILSON	10/17/2014
JAVIER E. GONZALEZ	10/10/2014
UTTAM R. DORASWAMI	10/10/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PRAXAIR TECHNOLOGY, INC.
<b>Street Address:</b>	39 OLD RIDGEBURY ROAD
<b>City:</b>	DANBURY
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06810
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14508297
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(203)837-2545
<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>	203-837-2292
<b>Email:</b>	Praxair_IP@Praxair.com
<b>Correspondent Name:</b>	PRAXAIR, INC.
<b>Address Line 1:</b>	39 OLD RIDGEBURY ROAD
<b>Address Line 4:</b>	DANBURY, CONNECTICUT 06810
<b>ATTORNEY DOCKET NUMBER:</b>	13437-US-R1
<b>NAME OF SUBMITTER:</b>	TONIANN FONTE
<b>SIGNATURE:</b>	/toniann fonte/
<b>DATE SIGNED:</b>	11/06/2014
<b>Total Attachments: 8</b>	

PATENT

source=13437-US-R1\_EXEC\_ASSIGN\_11-6-2014#page1.tif  
source=13437-US-R1\_EXEC\_ASSIGN\_11-6-2014#page2.tif  
source=13437-US-R1\_EXEC\_ASSIGN\_11-6-2014#page3.tif  
source=13437-US-R1\_EXEC\_ASSIGN\_11-6-2014#page4.tif  
source=13437-US-R1\_EXEC\_ASSIGN\_11-6-2014#page5.tif  
source=13437-US-R1\_EXEC\_ASSIGN\_11-6-2014#page6.tif  
source=13437-US-R1\_EXEC\_ASSIGN\_11-6-2014#page7.tif  
source=13437-US-R1\_EXEC\_ASSIGN\_11-6-2014#page8.tif

JOINT

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

We, the undersigned,

<u>NAME</u>	<u>RESIDING AT</u>
Sean M. Kelly	108 Caversham Woods, Pittsford, NY 14534
Gervase Maxwell Christie	186 Meadowview Lane, Amherst, NY 14221
Lee J. Rosen	176 Crescent Avenue, Buffalo, NY 14214
Charles Robinson	2184 Main Street, Lawtons, NY 14091
Jamie R. Wilson	9 Apple Ridge, Unit 2, Maynard, MA 01754
Javier E. Gonzalez	20 Cape May Lane, East Amherst, NY 14051
Uttam R. Doraswami	11 Holly Lane, Apartment 6, Tonawanda, NY 14150

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

**CERAMIC OXYGEN TRANSPORT MEMBRANE ARRAY REACTOR AND  
REFORMING METHOD**

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

filed on **October 7, 2014** (Serial No. **14/508,297**, Attorney Docket No. **13437-US-R1**).

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 39 Old Ridgebury Road, 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 I authorize insertion of the appropriate identification information above and agree that I will communicate to said PRAXAIR TECHNOLOGY, INC. or its representatives any facts known to me 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.

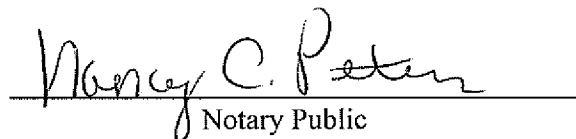
SIGNED AND SEALED AT Fonawanda, NY  
(city, state)

this 16 day of October, 2014.

  
SEAN M. KELLY

State of New York )  
County of Erie ) ss:

This 16<sup>th</sup> day of October, 2014, before me personally came the above-named **Sean M. Kelly** to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

  
Notary Public

NANCY C. PETERS  
NOTARY PUBLIC, STATE OF NEW YORK  
QUALIFIED IN ERIE COUNTY  
My Commission Expires Oct. 9, 2017

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

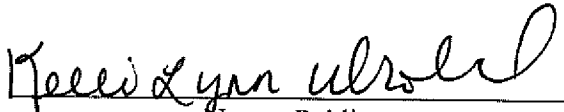
this 22 day of October, 2014.

  
GERVASE MAXWELL CHRISTIE

State of New York )  
County of Erie ) ss:

This 22 day of October, 2014, before me personally came the above-named **Gervase Maxwell Christie** to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

KELLI LYNN WROBEL  
NOTARY PUBLIC, STATE OF NEW YORK  
Registration No. 01WR6257280  
Qualified in Niagara County  
Commission Expires March 12, 2016

  
Notary Public

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

this 5<sup>th</sup> day of November, 2014.

  
LEE J. ROSEN

State of NEW YORK )  
County of ERIE ) ss:

This 5<sup>th</sup> day of NOVEMBER, 2014, before me personally came the above-named **Lee J. Rosen** to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

  
Notary Public

KATHLEEN MARIE SCARPELLO  
NOTARY PUBLIC-STATE OF NEW YORK  
No. 015C4877023  
Qualified in Erie County  
My Commission Expires December 27, 2014

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

this 29 day of October, 2014.

Charles Robinson  
CHARLES ROBINSON

State of New York )  
County of Erie ) ss:

This 29 day of October, 2014, before me personally came the above-named **Charles Robinson** to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

KELLI LYNN WROBEL  
NOTARY PUBLIC, STATE OF NEW YORK  
Registration No. 01WR6257280  
Qualified in Niagara County  
Commission Expires March 12, 2016

Kelli Lynn Wrobel  
Notary Public

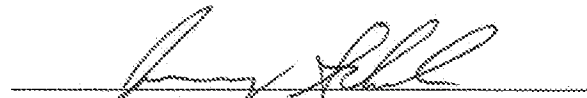
SIGNED AND SEALED AT Maynard, Ma  
(city, state)

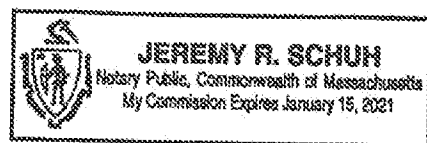
this 17 day of October, 2014.

  
JAMIE R. WILSON

State of Massachusetts )  
County of Middlesex ) ss:

This 17<sup>th</sup> day of October, 2014, before me personally came the above-named **Jamie R. Wilson** to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

  
Notary Public





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

this 10<sup>th</sup> day of October, 2014.

Javier E. Gonzalez  
JAVIER E. GONZALEZ

State of New York )  
County of Erie ) ss:

This 10<sup>th</sup> day of October, 2014, before me personally came the above-named **Javier E. Gonzalez** to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

L. Yvonne Curry  
Notary Public

L. YVONNE CURRY  
NOTARY PUBLIC - STATE OF NEW YORK  
NO. 01CU5006471  
QUALIFIED IN ERIE COUNTY  
MY COMMISSION EXPIRES 01-04-2015

SIGNED AND SEALED AT TONAWANDA, NEW YORK  
(city, state)

this 10<sup>th</sup> day of OCTOBER, 2014.

Uttam R. Doraswami  
UTTAM R. DORASWAMI

State of New York )  
County of Erie ) ss:

This 10<sup>th</sup> day of October, 2014, before me personally came the  
above-named **Uttam R. Doraswami** to me personally known as the individual who executed the  
foregoing assignment, who has acknowledged to me that he/she executed the same of his/her own free  
will for the purposes therein set forth.

L. Yvonne Curry  
Notary Public

L. YVONNE CURRY  
NOTARY PUBLIC - STATE OF NEW YORK  
NO. 01CU5006471  
QUALIFIED IN ERIE COUNTY  
MY COMMISSION EXPIRES 01-04-2015