

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sean M. Kelly</td> <td>01/03/2013</td> </tr> <tr> <td>Brian R. Kromer</td> <td>01/07/2013</td> </tr> <tr> <td>Michael M. Litwin</td> <td>12/03/2012</td> </tr> <tr> <td>Lee J. Rosen</td> <td>02/08/2013</td> </tr> <tr> <td>Gervase Maxwell Christie</td> <td>12/17/2012</td> </tr> <tr> <td>Jamie R. Wilson</td> <td>11/30/2012</td> </tr> <tr> <td>Lawrence E. Kosowski</td> <td>01/29/2013</td> </tr> <tr> <td>Charles Robinson</td> <td>01/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sean M. Kelly	01/03/2013	Brian R. Kromer	01/07/2013	Michael M. Litwin	12/03/2012	Lee J. Rosen	02/08/2013	Gervase Maxwell Christie	12/17/2012	Jamie R. Wilson	11/30/2012	Lawrence E. Kosowski	01/29/2013	Charles Robinson	01/04/2013
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Charles Robinson	01/04/2013																		
RECEIVING PARTY DATA																			
Name:	PRAXAIR TECHNOLOGY, INC.																		
Street Address:	39 Old Ridgebury Road																		
City:	Danbury																		
State/Country:	CONNECTICUT																		
Postal Code:	06810																		
PROPERTY NUMBERS Total: 1																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13684816</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13684816														
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Application Number:	13684816																		
CORRESPONDENCE DATA																			
Fax Number:	2038372545																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	(203) 837-2292																		
Email:	Praxair_IP@Praxair.com																		
Correspondent Name:	Praxair, Inc.																		
Address Line 1:	39 Old Ridgebury Road																		
Address Line 4:	Danbury, CONNECTICUT 06810																		
ATTORNEY DOCKET NUMBER:	11610-D1-US																		

PATENT

NAME OF SUBMITTER:

ToniAnn Fonte

Total Attachments: 9

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

We, the undersigned,

<u>NAME</u>	<u>RESIDING AT</u>	<u>OCCUPATION</u>	<u>CITIZENSHIP</u>
Sean M. Kelly	108 Caversham Woods Pittsford, NY 14534	Assoc. Dir. R&D	USA
Brian R. Kromer	176 Villa Avenu Buffalo, NY 14216	Dev. Spec. I	USA
Michael M. Litwin	346 George Urban Blvd. Cheektowaga, NY 14225	Sr. Technologist	USA
Lee J. Rosen	176 Crescent Ave. Buffalo, NY 14214	R&D Director I	USA
Gervase Maxwell Christie	186 Meadowview Lane Amherst, NY 14221	R&D Director I	UK
Jamie R. Wilson	9 Apple Ridge, Unit 2 Maynard, MA 01754	Development Specialist II -- Ceramics	USA
Lawrence W. Kosowski	9640 Darien Rd. West Falls, NY 14170	R&D Engineer II	USA
Charles Robinson	2184 Main St. Lawtons, NY 14091	Development Specialist II	USA

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

SYNTHESIS GAS METHOD AND APPARATUS

as described and/or claimed in our application for Letters Patent in the United States of America, filed on November 26, 2012, Serial No. 13/684,816, Attorney Docket No. 11610-D1-US (which claimed priority to Application Serial No. 13/179,279, filed on July 8, 2011, Attorney Docket No. 11610-US).

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 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;

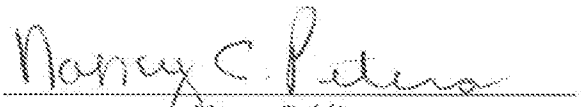
AND we authorize insertion of the appropriate identification information above and agree that we will communicate to said PRAXAIR TECHNOLOGY, INC. or its representatives any facts known to us respecting said invention and testify in legal proceedings, sign all lawful papers, execute all divisional, continuing, 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, New York this 3rd
day of January, 2012. 2013


SEAN M. KELLY

State of New York)
County of Eric) ss:

This 3rd day of January, 2012, 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. 8, 2013

SIGNED AND SEALED AT PRAYAIR this 7th
day of JANUARY, 2013


BRIAN E. KROMER

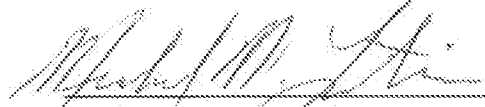
State of NY)
County of ERIE) ss:

This 7th day of JANUARY, 2013, before me personally came the above-named Brian E. Kromer 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

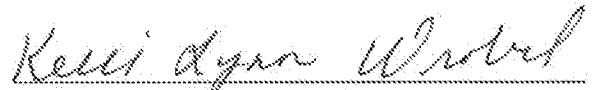
Ilona M. Lyons
Notary Public, State of New York
No. 01LY8837233
Qualified in Niagara County
Commission Expires February 14, 2014

SIGNED AND SEALED AT DTC Tonawanda New York this 3rd
day of December, 2012.


MICHAEL M. LITWIN

State of New York)
County of Eric) ss:

This 3rd day of December, 2012, before me personally came the
above-named Michael M. Litwin 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

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

SIGNED AND SEALED AT PLATTAIR this 8th
day of FEBRUARY, 2012.

Lee J. Rosen
LEE J. ROSEN

State of NY)
County of ERIE) ss:

This 8th day of FEBRUARY 2012, 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.

Irene M. Lyons
Notary Public

Irene M. Lyons
Notary Public, State of New York
No. 06LY0097203
Qualified in Niagara County
Commission Expires February 14, 20 14

SIGNED AND SEALED AT Tonawanda, New York this 17th
day of December, 2012.


GERVASE MAXWELL CHRISTIE

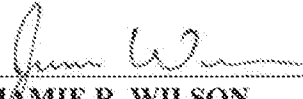
State of New York)
County of Erie) ss:

This 17th day of December, 2012, 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

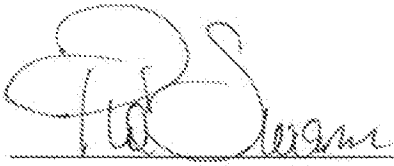

Notary Public

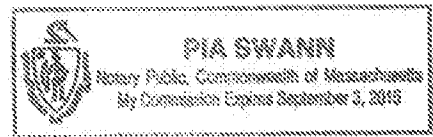
SIGNED AND SEALED AT Maynard this 30th
day of November, 2012.


JAMIE R. WILSON

State of MASSACHUSETTS)
County of MIDDLESEX) ss:

This 30TH day of NOVEMBER, 2012, 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 this 29th
day of January, 2013.

Lawrence W. Kosowski
LAWRENCE W. KOSOWSKI

State of New York)
County of Erie) ss:

This 29th day of January, 2013, before me personally came the
above-named **Lawrence W. Kosowski** 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

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

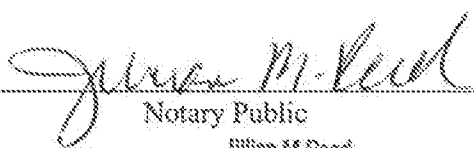
SIGNED AND SEALED AT First Niagara Bank Hamburg this January
day of 4th 2012 2013



CHARLES ROBINSON

State of NY)
County of Tru) ss:

This 4th day of January, 2012, 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.



Notary Public
Jillian M Reed
01RE0102300
Notary Public, State of New York
Qualified in Erie County County
My commission expires SEPTEMBER 2nd, 2014