

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																		
<b>CONVEYING PARTY DATA</b>																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sean M. Kelly</td> <td>07/18/2011</td> </tr> <tr> <td>Brian R. Kromer</td> <td>07/15/2011</td> </tr> <tr> <td>Michael M. Litwin</td> <td>07/22/2011</td> </tr> <tr> <td>Lee J. Rosen</td> <td>07/18/2011</td> </tr> <tr> <td>Gervase Maxwell Christie</td> <td>07/15/2011</td> </tr> <tr> <td>Jamie R. Wilson</td> <td>07/22/2011</td> </tr> <tr> <td>Lawrence W. Kosowski</td> <td>07/12/2011</td> </tr> <tr> <td>Charles Robinson</td> <td>07/19/2011</td> </tr> </tbody> </table>		Name	Execution Date	Sean M. Kelly	07/18/2011	Brian R. Kromer	07/15/2011	Michael M. Litwin	07/22/2011	Lee J. Rosen	07/18/2011	Gervase Maxwell Christie	07/15/2011	Jamie R. Wilson	07/22/2011	Lawrence W. Kosowski	07/12/2011	Charles Robinson	07/19/2011
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<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>																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13179279</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13179279														
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<b>CORRESPONDENCE DATA</b>																			
<b>Fax Number:</b>	(203)837-2545																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
<b>Phone:</b>	203-837-2292																		
<b>Email:</b>	Praxair_IP@Praxair.com																		
<b>Correspondent Name:</b>	PRAXAIR, INC. LAW DEPARTMENT - M1 557																		
<b>Address Line 1:</b>	39 OLD RIDGEBURY ROAD																		
<b>Address Line 4:</b>	DANBURY, CONNECTICUT 06810																		
<b>ATTORNEY DOCKET NUMBER:</b>	11610																		

CH \$40.00 13179279

**501651033**

**PATENT**  
**REEL: 026871 FRAME: 0663**

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	Sr. Dev. Specialist II	USA
Brian R. Kromer	154 Sanders Rd. Apt. 6 Buffalo, NY 14216	Dev. Specialist	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	Associate Director R&D	UK
Jamie R. Wilson	9 Apple Ridge Unite 2 Maynard, MA 01754	Development Specialist II	USA
Lawrence W. Kosowski	9640 Darien Rd. Colden, NY 14170	Engineer I	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 July 8, 2011 (Serial No. 13/179,279, 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 this 15th day of July, 2011.

  
SEAN M. KELLY

State of New York )  
County of Erie ) ss:

This 15th day of July, 2011, 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

PENNY R. TURRELL  
Notary Public, State of New York  
Qualified in Niagara County No. 4842677  
My Commission Expires March 30, 2014

SIGNED AND SEALED AT Tonawanda this 15th  
day of July, 2011.

Brian R. Kromer  
BRIAN R. KROMER

State of New York )  
County of Eric ) ss:

This 15th day of July, 2011, before me personally came the  
above-named **Brian R. 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.

Penny R. Turrell  
Notary Public


PEONY R. TURRELL  
Notary Public, State of New York  
Qualified in Niagara County, No. 4802677  
My Commission Expires March 31, 2014

SIGNED AND SEALED AT Tonawanda this 22nd  
day of July, 2011.

  
MICHAEL M. LITWIN

State of New York )  
County of Town ) ss:

This 22nd day of July, 2011, 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

\_\_\_\_\_  
Penny R. TURPELL  
Notary Public, State of New York  
Qualified in Niagara County, No. 4842677  
My Commission Expires March 30, 2014

SIGNED AND SEALED AT Tonawanda this 15th  
day of July, 2011.

Lee J. Rosen  
LEE J. ROSEN

State of New York )  
County of Erie ) ss:

This 15th day of July, 2011, 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.

[Signature]  
Notary Public

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PENNY R. RUSSELL  
Notary Public, State of New York  
Qualified in Niagara County, No. 4012627  
My Commission Expires August 31, 2014  
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SIGNED AND SEALED AT Tonawanda this 15th  
day of July, 2011.

Gervase Maxwell Christie  
GERVASE MAXWELL CHRISTIE

State of New York )  
County of Erie ) ss:

This 15th day of July, 2011, 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.

Penny R. Turrell  
Notary Public

PENNY R. TURRELL  
Notary Public, State of New York  
Qualified in Niagara County No. 4842527  
My Commission Expires March 30, 2014



SIGNED AND SEALED AT Tonawanda this 22nd  
day of July, 2011.

Jamie R. Wilson  
JAMIE R. WILSON

State of New York }  
County of Tonawanda } ss:

This 22nd day of July, 2011, 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.

Penny R. Turrell  
Notary Public

PENNY R. TURRELL  
Notary Public, State of New York  
Qualified in Niagara County, No. 4842677  
My Commission Expires March 31, 2014

SIGNED AND SEALED AT Tonawanda this 12th  
day of July 2011.

Lawrence W. Kosowski  
LAWRENCE W. KOSOWSKI

State of New York )  
County of Essex ) ss:

This 12th day of July, 2011, 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.

Penny R. Turrell  
Notary Public

PENNY R. TURRELL  
Notary Public, State of New York  
Qualified in Niagara County No. 4842877  
My Commission Expires March 30, 2014

SIGNED AND SEALED AT Tonawanda this 19th  
day of July 2011.

Charles Robinson  
CHARLES ROBINSON

State of New York )  
County of Essex ) ss:

This 19th day of July, 2011, 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.

Penny R. Turrell  
Notary Public

PENNY R. TURRELL  
Notary Public, State of New York  
Qualified in Niagara County No. 442677  
My Commission Expires March 30, 2014