

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2944306

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THEODORE HALL GASTEYER III	06/23/2014
ROBERT REX SEVER	06/23/2014
BALAZS HUNEK	06/23/2014
NIGEL GRINTER	06/16/2014
MELINDA LEE VERDONE	07/11/2014
<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>
Application Number:	14334722
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(203)837-2515
<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>	203-837-2253
<b>Email:</b>	Praxair_IP@Praxair.com
<b>Correspondent Name:</b>	PRAXAIR, INC. LAW DEPARTMENT - M1-04
<b>Address Line 1:</b>	39 OLD RIDGEBURY ROAD
<b>Address Line 4:</b>	DANBURY, CONNECTICUT 06810-5113
<b>ATTORNEY DOCKET NUMBER:</b>	21684-C1-US
<b>NAME OF SUBMITTER:</b>	RUTH A. SCHREIBER
<b>SIGNATURE:</b>	/RUTH A. SCHREIBER/
<b>DATE SIGNED:</b>	07/18/2014
<b>Total Attachments: 6</b>	
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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>
Theodore Hall Gasteyer, III	916 Secretariat Drive, Naperville, IL 60540
Robert Rex Sever	2643 North Drury Lane, Arlington Heights, IL 60004
Balazs Hunek	2753 N. Wayne Ave., Unit A, Chicago, IL 60614-1260
Nigel Grinter	470 Trinity Court, Buffalo Grove, IL 60089
Melinda Lee Verdone	602 Hillcrest Blvd., Hoffman Estates, IL 60169

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

**LYOPHILIZATION SYSTEM AND METHOD**

as described and/or claimed in our application for Letters Patent in the United States of America,  
filed on **July 18, 2014**, Serial No. **14/334,722** (Attorney Docket No. **21684-C1-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.

Praxair, Inc.  
7000 High Grove Boulevard  
Burr Ridge, IL 60527-7595

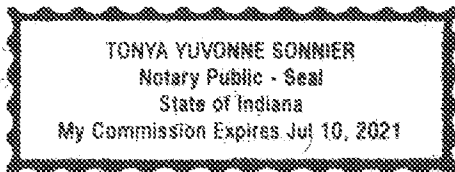
SIGNED AND SEALED AT \_\_\_\_\_  
(city, state)

this 23<sup>rd</sup> day of June, 2014.

Theodore Hall Gasteyer, III  
THEODORE HALL GASTEYER, III

State of Illinois )  
County of DuPage ) ss:

This 23<sup>rd</sup> day of June, 2014, before me personally came the above-named **Theodore Hall Gasteyer, III** 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.



Tonya Y. Sommer 06/23/14  
Notary Public

Praxair, Inc.  
7000 High Grove Boulevard  
Burr Ridge, IL 60527-7595

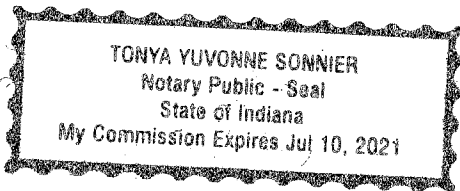
SIGNED AND SEALED AT \_\_\_\_\_  
(city, state)

this 23<sup>rd</sup> day of June, 2014.

Robert Sever  
ROBERT REX SEVER

State of Illinois )  
County of DePage ) ss:

This 23<sup>rd</sup> day of June, 2014, before me personally came the above-named **Robert Rex Sever** 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.



Tonya Y. Sonnier 06/03/14  
Notary Public

Praxair, Inc.  
7000 High Grove Boulevard  
Burr Ridge, IL 60527-7595

SIGNED AND SEALED AT \_\_\_\_\_  
(city, state)

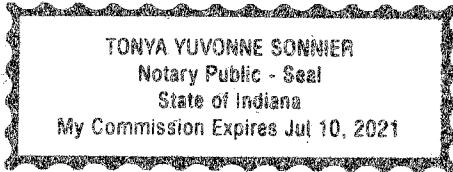
this 23<sup>rd</sup> day of June, 2014.

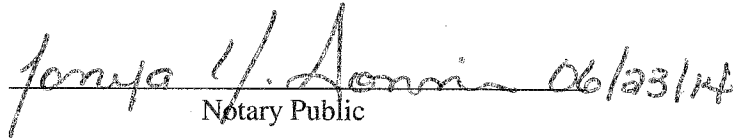


**BALAZS HUNEK**

State of Illinois )  
County of DuPage ) ss:

This 23<sup>rd</sup> day of June, 2014, before me personally came the above-named **Balazs Hunek** 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

Praxair, Inc.  
7000 High Grove Boulevard  
Burr Ridge, IL 60527-7595

SIGNED AND SEALED AT \_\_\_\_\_  
(city, state)

this 16<sup>th</sup> day of July, 2014.

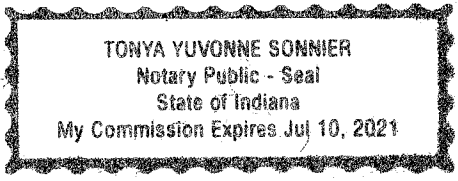
*[Signature]*  
NIGEL GRINTER

State of Illinois)

County of DuPage) SS:

This 16<sup>th</sup> day of July, 2014, before me personally came the above-named **Nigel Grinter** 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]* 7/16/14  
Notary Public



SIGNED AND SEALED AT \_\_\_\_\_  
(city, state)

this 11 day of July, 2014.

  
MELINDA LEE VERDONE

State of Illinois )  
County of DuPage ) ss:

This \_\_\_\_\_ day of \_\_\_\_\_, 2014, before me personally came the above-named **Melinda Lee Verdone** 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