

## PATENT ASSIGNMENT

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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>Alan T. Y. Cheng</td> <td>09/20/2012</td> </tr> <tr> <td>Ying Zhou</td> <td>09/20/2012</td> </tr> <tr> <td>Amitabh Gupta</td> <td>09/21/2012</td> </tr> <tr> <td>Balazs Hunek</td> <td>09/20/2012</td> </tr> <tr> <td>Nigel Grinter</td> <td>09/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Alan T. Y. Cheng	09/20/2012	Ying Zhou	09/20/2012	Amitabh Gupta	09/21/2012	Balazs Hunek	09/20/2012	Nigel Grinter	09/11/2012
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Amitabh Gupta	09/21/2012												
Balazs Hunek	09/20/2012												
Nigel Grinter	09/11/2012												
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>13559957</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13559957								
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Application Number:	13559957												
CORRESPONDENCE DATA													
Fax Number:	2038372455												
<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. LAW DEPARTMENT												
Address Line 1:	39 OLD RIDGEBURY ROAD												
Address Line 4:	DANBURY, CONNECTICUT 06810												
ATTORNEY DOCKET NUMBER:	083030-CIP1-US												
NAME OF SUBMITTER:	ToniAnn Fonte												
Total Attachments: 6													

CH \$40.00 13559957

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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>
ALAN T. Y. CHENG	2519 Bangert Lane Naperville, IL 60564	Senior Development Associate	US
YING ZHOU	2043 Spice Circle Naperville, IL 60565	Development Spec. II	US
AMITABH GUPTA	2215 Sisters Avenue Naperville, IL 60564	Director R&D	US
BALAZS HUNEK	4600 Woodland Avenue Western Springs, IL 60558	R&D Director	US
NIGEL GRINTER	470 Trinity Court Buffalo Grove, IL 60089	BioPharm. Program Development Mgr.	US

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

## **BIOREACTOR WITH UPWARD FLOWING IMPELLER SYSTEM FOR USE IN A MAMMALIAN CELL CULTURE PROCESS**

as described and/or claimed in our application for Letters Patent in the United States of America, filed on July 27, 2012, Serial No. 13/559,957, Attorney Docket No. 083030-CIP1-US, (claiming priority to U.S. Patent Application Serial No. 12/536,559, filed on August 6, 2009, Attorney Docket No. 083030 which claims priority to Provisional Patent Application Serial Nos. 61/086,665 and 61/086,685, both filed August 6, 2008).

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.

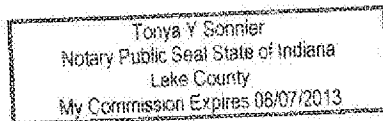
Praxair, Inc.  
7000 High Grove Boulevard  
Burr Ridge, IL 60527-7595

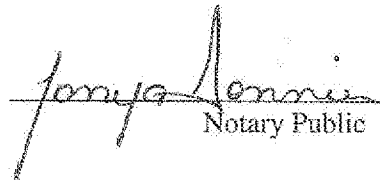
SIGNED AND SEALED AT \_\_\_\_\_ this 20<sup>th</sup>  
day of September, 2012.

  
ALAN T. Y. CHENG

State of Illinois  
County of DuPage

This 20<sup>th</sup> day of September, 2012, before me personally came the above-named Alan T. Y. Cheng 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.



 9/20/12  
Notary Public

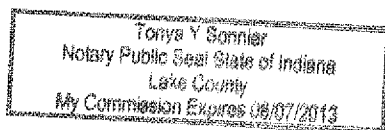
Praxair, Inc.  
7000 High Grove Boulevard  
Burr Ridge, IL 60527-7595

SIGNED AND SEALED AT \_\_\_\_\_ this 20<sup>th</sup>  
day of September, 2012.

Ying Zhou 9/20/2012  
YING ZHOU

State of Illinois)  
County of DuPage) ss:

This 20<sup>th</sup> day of September, 2012, before me personally came the  
above-named Ying Zhou 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 9/20/12  
Notary Public

SIGNED AND SEALED AT Shanghai, P.R. China this 21<sup>st</sup>  
day of September, 2012.

Amitabh Gupta  
AMITABH GUPTA

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

This \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally came the  
above-named Amitabh Gupta 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

this 20<sup>th</sup>

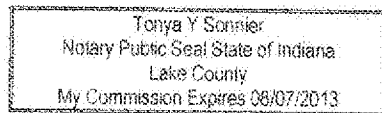
day of September, 2012.

[Signature]  
BALAZS HUNEK

State of Illinois

County of DuPage ) ss:

This 20<sup>th</sup> day of September, 2012, 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.



[Signature] 9/20/12  
Notary Public

SIGNED AND SEALED AT \_\_\_\_\_ this 11<sup>th</sup>  
day of September, 2012.

  
\_\_\_\_\_  
**NIGEL GRINTER**

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

This \_\_\_\_\_ day of \_\_\_\_\_, 2012, 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.

\_\_\_\_\_  
Notary Public