

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>Ashwini K. Sinha</td> <td>09/10/2013</td> </tr> <tr> <td>Lloyd Anthony Brown</td> <td>09/10/2013</td> </tr> <tr> <td>Serge Marius Campeau</td> <td>09/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ashwini K. Sinha	09/10/2013	Lloyd Anthony Brown	09/10/2013	Serge Marius Campeau	09/10/2013		
Name	Execution Date										
Ashwini K. Sinha	09/10/2013										
Lloyd Anthony Brown	09/10/2013										
Serge Marius Campeau	09/10/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Praxair Technology, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>39 Old Ridgebury Road</td> </tr> <tr> <td>City:</td> <td>Danbury</td> </tr> <tr> <td>State/Country:</td> <td>CONNECTICUT</td> </tr> <tr> <td>Postal Code:</td> <td>06810</td> </tr> </table>		Name:	Praxair Technology, Inc.	Street Address:	39 Old Ridgebury Road	City:	Danbury	State/Country:	CONNECTICUT	Postal Code:	06810
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>14011887</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14011887						
Property Type	Number										
Application Number:	14011887										
CORRESPONDENCE DATA											
Fax Number: 2038372545 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 203-837-2253 Email: Ruth_Schreiber@Praxair.com Correspondent Name: PRAXAIR, INC. LAW DEPARTMENT - M1-04 Address Line 1: 39 OLD RIDGEBURY ROAD Address Line 4: DANBURY, CONNECTICUT 06810-5113											
ATTORNEY DOCKET NUMBER:	13385										
NAME OF SUBMITTER:	Ruth A. Schreiber										
Signature:	/Ruth A. Schreiber/										
Date:	09/27/2013										

CH \$40.00 14011887

Total Attachments: 4

source=13385-US_EX_ASSIGN_09-27-2013#page1.tif

source=13385-US_EX_ASSIGN_09-27-2013#page2.tif

source=13385-US_EX_ASSIGN_09-27-2013#page3.tif

source=13385-US_EX_ASSIGN_09-27-2013#page4.tif

JOINT

**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>
Ashwini K. Sinha	105 Autumn Creek Lane East Amherst NY 14051	Engineer	India
Lloyd Anthony Brown	63 Echowood Drive, East Amherst, NY 14051	Engineer	Jamaica
Serge Marius Campeau	2 Nashua Ct., Lancaster, NY 14086	Technologist	US

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

**SILICON-CONTAINING DOPANT COMPOSITIONS, SYSTEMS AND
METHODS OF USE THEREOF FOR IMPROVING ION BEAM
CURRENT AND PERFORMANCE DURING SILICON ION IMPLANTATION**

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

filed on **August 28, 2013** (Serial No. **14/011,887** Attorney Docket No. **13385**)

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, NY this 10th
day of September, 2013.

Ashwini K. Sinha
Ashwini K. Sinha

State of New York)
County of Erie) ss:

This 10th day of September, 2013, before me personally came the above-named **Ashwini K. Sinha** 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. 01CU8006471
QUALIFIED IN ERIE COUNTY
MY COMMISSION EXPIRES 01-04-2015

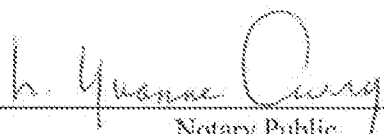
SIGNED AND SEALED AT Tonawanda, NY this 10th
day of September, 2013.



Lloyd Anthony Brown

State of New York)
County of Erie) ss:

This 10th day of September, 2013, before me personally came the
above-named **Lloyd Anthony Brown** 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

L. YVONNE CURRY
NOTARY PUBLIC - STATE OF NEW YORK
NO. 01CU6006471
QUALIFIED IN ERIE COUNTY
MY COMMISSION EXPIRES 01-04-2013

SIGNED AND SEALED AT _____ this 10TH
day of SEPT, 2013.

Serge Marius Campeau
Serge Marius Campeau

State of New York)
County of Erie) ss:

This 10th day of September, 2013, before me personally came the
above-named **Serge Marius Campeau** 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 01-04-2012