

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>Irina Belov</td> <td>11/08/2012</td> </tr> <tr> <td>Daryl G. Copeland</td> <td>11/08/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Irina Belov | 11/08/2012 | Daryl G. Copeland | 11/08/2012 |
| Name | Execution Date | | | | | | |
| Irina Belov | 11/08/2012 | | | | | | |
| Daryl G. Copeland | 11/08/2012 | | | | | | |
| RECEIVING PARTY DATA | | | | | | | |
| Name: | Praxair S.T. Technology, Inc. | | | | | | |
| Street Address: | 441 Sackett Point Road | | | | | | |
| City: | North Haven | | | | | | |
| State/Country: | CONNECTICUT | | | | | | |
| Postal Code: | 06473 | | | | | | |
| 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>13673007</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13673007 | | |
| Property Type | Number | | | | | | |
| Application Number: | 13673007 | | | | | | |
| CORRESPONDENCE DATA | | | | | | | |
| Fax Number: | 2038372545 | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | |
| Phone: | 2038372253 | | | | | | |
| Email: | Ruth_Schreiber@Praxair.com | | | | | | |
| Correspondent Name: | Praxair, Inc. | | | | | | |
| Address Line 1: | 39 Old Ridgebury Road | | | | | | |
| Address Line 4: | Danbury, CONNECTICUT 06810 | | | | | | |
| ATTORNEY DOCKET NUMBER: | 13400 | | | | | | |
| NAME OF SUBMITTER: | Ruth A. Schreiber | | | | | | |
| Total Attachments: 3 source=13400-US_EX_ASSIGN_01-28-2013b#page1.tif source=13400-US_EX_ASSIGN_01-28-2013b#page2.tif source=13400-US_EX_ASSIGN_01-28-2013b#page3.tif | | | | | | | |

CH \$40.00 13673007

**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> |
|-------------------|---|--------------------------------|--------------------|
| Irina Belov | 9402 Greenthread Lane Zionsville, IN 46077 | Sr. Chemist-Slurry Coatings | US |
| Daryl G. Copeland | 1269 N. Mathews Road Greenwood, IN 46143 | Sermatech R&D Technician | US |

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

CHROMIUM-FREE SILICATE-BASED CERAMIC COMPOSITIONS

as described and/or claimed in our application for Letters Patent in the United States of America,
filed on **November 9, 2012** (Serial No. **13/673,007**, Docket No. **13400**).

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 S.T. TECHNOLOGY, INC.

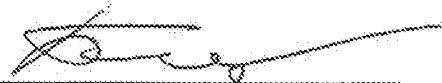
a corporation organized and existing under the laws of the State of Delaware, United States of America, its successors and nominees, having an office at 441 Sackett Point Road, North Haven, Connecticut 06473, United States of America, as the Assignee, without any restrictions, reservations or limitations, 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 S.T. 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 S.T. TECHNOLOGY, INC. its successors, assigns, or nominees, to obtain and enforce proper protection for said invention in all countries.

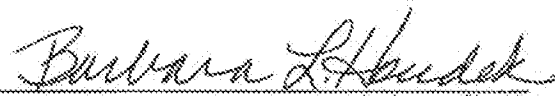
SIGNED AND SEALED AT 1500 Polco St Indianapolis IN this 8th
day of November, 2012.



Irina Belov

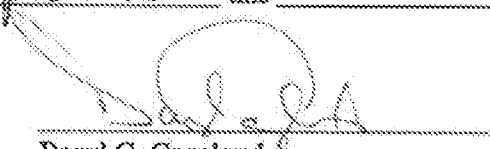
State of Indiana)
County of Johnson) ss:

This 8th day of November, 2012, before me personally came the above-named Irina Belov 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.



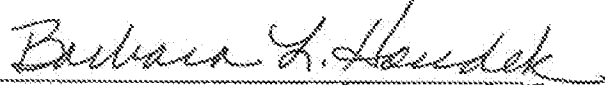
Notary Public State of Indiana
Commission Exp. 18 Feb 2015

SIGNED AND SEALED AT 1500 Polco St Indpls IN this 8th
day of November, 2012.


Daryl G. Copeland

State of Indiana)
County of Johnson) ss:

This 8th day of November, 2012, before me personally came the
above-named Daryl G. Copeland 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 STATE OF INDIANA
Commission Exp 18 FEB 2015