

Form PTO-1595 (Rev. 03/05)

OMB No. 0651-0027 (exp. 6/30/2005)

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Cem E. Celik, James Smolarek and
Michael Victor Barsottelli

2. Name and address of receiving party(ies)

Name: PRAXAIR TECHNOLOGY, INC.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) May 25, 2006
June 12, 2006☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other _____

Street Address: 39 Old Ridgebury Road

City: Danbury

State: CT

Country: USA Zip: 06810-5113

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

Serial No. 11/395,140

Filed: 4/3/2006

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Joann M. Jelsa

Internal Address: Praxair, Inc.

Law Department - M1557

Street Address: 39 Old Ridgebury Road

City: Danbury

State: CT Zip: 06810-5113

Phone Number: (203) 837-2161

Fax Number: (203) 837-2545

Email Address: joann_jelsa@praxair.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

☐ Authorized to be charged by credit card☒ Authorized to be charged to deposit account☐ Enclosed☐ None required (government interest not affecting title)

8. Payment Information

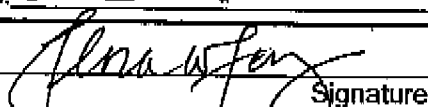
a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 16-2440

Authorized User Name _____

9. Signature:



Flora W. Feng, Reg. No. 51,673

Name of Person Signing

6/20/06

Date

Total number of pages including cover sheet, attachments, and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (703) 306-6996, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

JOINT

**ASSIGNMENT OF INVENTION, PRIORITY RIGHTS
AND RIGHTS TO APPLY FOR PATENTS**

We, the undersigned, Cem E. Celik, and Engineer and Citizen of Turkey; James Smolarek, an
Engineer and Citizen of the United States of America and Michael Victor Barsottelli, an Engineer and
Citizen of the United States of America, residing a 5 Holly Lane #5, Tonawanda, New York 14150;
6696 Liebler Road, Boston, New York 14025 and 1641 Jamison Road, Elma, New York 14059.

HEREBY STATE UNDER OATH that we are the original, first and true inventors of an
invention for SILENCER FOR ADSORPTION-BASED GAS SEPARATION SYSTEMS

as described and/or claimed in our application for Letters Patent in the United States of America,
filed on the 3rd day of April, 2006, as Serial No. 11/395,140, (Docket No. D-21491).

NOW, THEREFORE, in consideration of our employment by Praxair, Inc. manufacturers, a
corporation organized and existing under the laws of the State of Delaware, United States of America,
having an office at 39 Old Ridgebury Road, Danbury, Connecticut 06810-5113, United States of
America, and in fulfillment of our pre-existing obligation of assignment to our employer;

WE DO HEREBY ASSIGN, TRANSFER AND SELL our entire right, title, and interest in and
to said invention and application unto

PRAXAIR TECHNOLOGY, INC.

technology licensors, 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 and being a wholly owned subsidiary of the said
Praxair, Inc., 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 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 AUTHORIZE our attorney of record to insert below in this instrument the serial number and filing date of said application;

AND AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue all patents on said invention resulting therefrom to said PRAXAIR TECHNOLOGY, INC. as Assignee of the entire right, title and interest, and covenant that we have the full right to do so, 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 25th
day of May, 2006.

WITNESSES:

1. Penny R. Turhell
2. Ravi Kumar
Cem E. Celik
CEM E. CELIK

State New York)
County of Erie) ss:

This 25th day of May, 2006, before me personally came the above-named Cem E. Celik 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. Turhell
Notary Public

PENNY R. TURHELL
Notary Public, State of New York
Qualified in Niagara County No. 4842627
My Commission Expires March 30, 2010

SIGNED AND SEALED AT Tonawanda this 12th

day of June, 2006.

WITNESSES:

1. Penny R. Turrell

2. Ravi Kumar

State of New York) ss:

County of Erie)

This 12th day of June, 2006, before me personally came the above-named James Smolarek 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, State of New York

Qualified in Niagara County No. 4842627

My Commission Expires March 30, 2010

Penny R. Turrell
Notary Public

SIGNED AND SEALED AT Tonawanda this 25th

day of May, 2006.

WITNESSES:

1. Penny R. Turrell

2. Ravi Kumar

State of New York) ss:

County of Erie)

This 25th day of May, 2006, before me personally came the above-named Michael Victor Barsottelli 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. 4842627

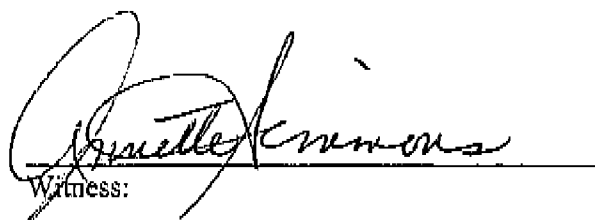
My Commission Expires March 30, 2010

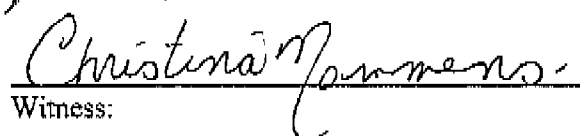
ACCEPTANCE

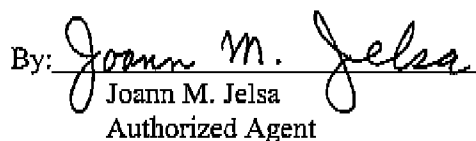
WE, the undersigned, PRAXAIR TECHNOLOGY, INC. of 39 Old Ridgebury Road, Danbury, Connecticut 06810, United States of America, do hereby declare that we have accepted the foregoing assignment.

Danbury, Connecticut, U.S.A. June 20, 2006

PRAXAIR TECHNOLOGY, INC.

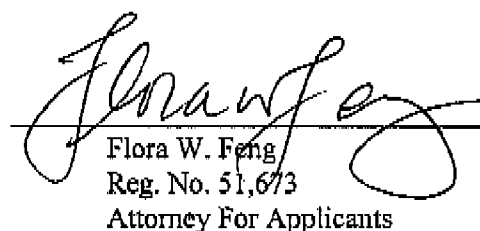

Witness:


Witness:

By: 
Joann M. Jelsa
Authorized Agent

The application identified above as Docket No. 21491 was filed in the United States Patent and Trademark Office on April 3, 2006 and was given Serial Number 11/395,140.

This insertion was made by me this 20th day of June, 2006.


Flora W. Feng
Reg. No. 51,673
Attorney For Applicants