

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
MARK WILLIAM ACKLEY		08/25/2005
PHILIP A. BARRETT		08/24/2005
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		
Property Type	Number	
Application Number:	12255018	
CORRESPONDENCE DATA		
Fax Number:	(203)837-2545	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
Phone:	(203) 837-2071	
Email:	janie_murphy@praxair.com	
Correspondent Name:	Praxair, Inc.	
Address Line 1:	39 Old Ridgebury Road	
Address Line 4:	Danbury, CONNECTICUT 06810	
ATTORNEY DOCKET NUMBER:	21487-D1	
NAME OF SUBMITTER:	JANIE MURPHY	
<p>Total Attachments: 4</p> <p>source=21487-D1-ASSIGN_10-27-08#page1.tif</p> <p>source=21487-D1-ASSIGN_10-27-08#page2.tif</p> <p>source=21487-D1-ASSIGN_10-27-08#page3.tif</p>		

CH \$40.00 12255018

**500687084**

**PATENT**  
**REEL: 021740 FRAME: 0797**



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

We, the undersigned, Mark William Ackley, an Engineer and Citizen of the United States of  
America and Philip A. Barrett, a Chemist and Citizen of the United Kingdom, residing at 96 Church  
Street, East Aurora, New York 14052 and 1446 Sheridan Drive, Kenmore, New York 14217,  
respectively.

HEREBY STATE UNDER OATH that we are the original, first and true inventors of an  
invention for SILVER-EXCHANGED ZEOLITES AND METHODS OF MANUFACTURE THEREFOR

as described and/or claimed in our application for Letters Patent in the United States of America,  
filed on the 30<sup>th</sup> day of June, 2005, as Serial No. 11/170,104, (Docket No. D-21,487).

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 August 2005.

WITNESSES:

1. [Signature]  
2. [Signature]

Mark William Ackley  
MARK WILLIAM ACKLEY

State New York )  
County of Erie ) ss:

This 25th day of August, 2005, before me personally came the above-named Mark William Ackley 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]  
Notary Public

PENNY R. TURRELL  
Notary Public, State of New York  
Qualified in Niagara County No. 4842627  
My Commission Expires March 30, 2006

SIGNED AND SEALED AT Tonawanda this 24th

day of August, 2005.

WITNESSES:

1. [Signature]

2. [Signature]

State of New York)  
County of Erie) ss:

[Signature]  
PHILIP A. BARRETT

This 24th day of August, 2005, before me personally came the above-named Philip A. Barrett 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, 2006

[Signature]  
Notary Public

SIGNED AND SEALED AT \_\_\_\_\_ this \_\_\_\_\_

day of \_\_\_\_\_, 2005.

WITNESSES:

1. \_\_\_\_\_

2. \_\_\_\_\_

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

This \_\_\_\_\_ day of \_\_\_\_\_, 2005, before me personally came the above-named \_\_\_\_\_ 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

**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. September 2, 2005

PRAXAIR TECHNOLOGY, INC.

*Harper Hardy*  
Witness:

*Christina Morrison*  
Witness:

By: *Joann M. Jelsa*  
Joann M. Jelsa  
Authorized Agent

The application identified above as Docket No. 21,487 was filed in the United States Patent and Trademark Office on June 30, 2005 and was given Serial Number 11/170,104.

This insertion was made by me this 2nd day of September, 2005

*Mary Raynor Jimenez*  
Mary Raynor Jimenez  
Attorney For Applicants  
Reg. No. 37,219