

12-02-1998

-HEET From:

Modified



PRAXAIR TECHNOLOGY, INC

To the Honorable Commissioner of Patents

100909644

Attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Christian Friedrich Gottzmann,  
Ravi Prasad, Nitin Ramesh Keskar and  
James Bragdon Wulf

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

## 2. Name and address of receiving party(ies)

PRAXAIR TECHNOLOGY, INC.  
39 Old Ridgebury Road  
Danbury, CT. 06810-5113  
United States of America

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

## 3. Nature of conveyance:

MRD 11-23-98

☒ Assignment

October 31, 1998

November 3, 1998

Execution Date:

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

## A. Patent Application No.(s)

Serial No. 09/185,523  
Filed: 11/4/98

## B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Miss Joann M. Jelsa  
PRAXAIR, INC.  
Law Department - M1 557  
39 Old Ridgebury Road  
Danbury, CT. 06810-5113

11/27/1998 SBURMS 00000215 162440 09185523  
01 FC:581 40.00 CH

6. Total number of applications and patents involved: 

## 7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Authorized to be charged to deposit account

## 8. Deposit account number:

16-2440

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Bharat C. Gandhi

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 9607 FRAME: 0363

JOINT

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

We, the undersigned, Christian Friedrich Gottzmann, Engineer and Citizen of the United States of America, Ravi Prasad, Engineer and Citizen of the United States of America, Nitin Ramesh Keskar, Engineer and Citizen of India and James Bragdon Wulf, Engineer and Citizen of the United States of America, residing at 5308 Thompson Road, Clarence, New York 14031, 12 Yardley Lane, East Amherst, New York 14051, 138 Spicer Creek Run, Grand Island, New York 14072 and 76 Chapel Woods West, Williamsville, New York 14221, respectively,

HEREBY STATE UNDER OATH that we are the original, first and true inventors of an invention for THERMALLY POWERED OXYGEN/NITROGEN PLANT INCORPORATING AN

OXYGEN SELECTIVE ION TRANSPORT MEMBRANE

as described and/or claimed in our application for Letters Patent in the United States of America, executed on the 5 day of Nov, 1998, (Docket No. D-20704).

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 so to do, 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 3  
day of Nov., 19 98.

## WITNESSES:

1. Ann Achara
2. Julia A. Demmin

Christian Friedrich Gottmann  
CHRISTIAN FRIEDRICH GOTTSMANN

State of New York )  
County of Erie ) ss:

This 3 day of Nov, 19 98, before me personally came

the above-named Christian Friedrich Gottmann 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.

Julia A. Demmin  
Notary Public

(Seal)

JULIE A. DEMMIN  
Notary Public, State of New York  
Qualified in Erie County  
My Commission Expires 4/5/99

SIGNED AND SEALED AT Tonawanda NY this 3  
day of Nov, 1998.

## WITNESSES:

1. Him Acharya
2. Julia A Demmin

[Signature]  
RAVI PRASAD

State of New York )  
County of Essex ) ss:

This 3 day of Nov, 1998, before me personally came the

above-named Ravi Prasad 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  
JULIA A. DEMMIN  
Notary Public, State of New York  
Qualified in Essex County  
My Commission Expires 4/5/99

(Seal)

SIGNED AND SEALED AT \_\_\_\_\_ this \_\_\_\_\_  
day of \_\_\_\_\_, 19\_\_\_\_.

## WITNESSES:

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

NITIN RAMESH KESKAR

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

This \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally came the

above-named Nitin Ramesh Kesar 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

(Seal)

SIGNED AND SEALED AT Tarrywanda, NY this 3.  
day of Nov., 1998.

## WITNESSES:

1. Ann Acharns

James Bragdon Wulf  
JAMES BRAGDON WULF

2. Julie A. Demmin

State of New York )  
County of Erie ) ss:

This 3 day of Nov., 1998, before me personally came the

above-named James Bragdon Wulf 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.

(Seal)

Julie A. Demmin  
JULIE A. DEMMIN Notary Public  
Notary Public, State of New York  
Qualified in Erie County  
My Commission Expires 4/5/99

SIGNED AND SEALED AT \_\_\_\_\_ this \_\_\_\_\_  
day of \_\_\_\_\_, 19\_\_\_\_.

## WITNESSES:

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

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

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

This \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, 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.

(Seal)

\_\_\_\_\_  
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. November 16, 19 98

(Seal)

PRAXAIR TECHNOLOGY, INC.

Chuo Zommeno  
Witness:

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

Margaret Handy  
Witness:

The application identified above as Docket No. D-20704 was filed in the  
United States Patent and Trademark Office on November 4, 19 98 and was given  
Serial Number 09/185,523.

This insertion was made by me this 16th day of November, 19 98

Bharat C. Gandhi  
Attorney For Applicants  
Bharat C. Gandhi

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

We, the undersigned, Christian Friedrich Gottzmann, Engineer and Citizen of the United  
States of America, Ravi Prasad, Engineer and Citizen of the United States of America,  
Nitin Ramesh Keskar, Engineer and Citizen of India and James Bragdon Wulf, Engineer and  
Citizen of the United States of America, residing at 5308 Thompson Road, Clarence, New York  
14031, 12 Yardley Lane, East Amherst, New York 14051, 138 Spicer Creek Run, Grand Island,  
New York 14072 and 76 Chapel Woods West, Williamsville, New York 14221, respectively,

HEREBY STATE UNDER OATH that we are the original, first and true inventors of an invention  
 for THERMALLY POWERED OXYGEN/NITROGEN PLANT INCORPORATING AN  
OXYGEN SELECTIVE ION TRANSPORT MEMBRANE

as described and/or claimed in our application for Letters Patent in the United States of America,  
 executed on the 31st\* day of October, 19 98, (Docket No. D-20704).

\*Nitin Ramesh Keskar (only)

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 so to do, 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 \_\_\_\_\_ this \_\_\_\_\_  
day of \_\_\_\_\_, 19 \_\_\_\_\_.

WITNESSES:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_

\_\_\_\_\_  
CHRISTIAN FRIEDRICH GOTTZMANN

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

This \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_, before me personally came

the above-named Christian Friedrich Gottzmann 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

(Seal)



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

day of \_\_\_\_\_, 19\_\_\_\_.

WITNESSES:

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

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

\_\_\_\_\_  
RAVI PRASAD

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

This \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally came the

above-named Ravi Prasad 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

(Seal)

SIGNED AND SEALED AT Grand Island, New York this 31st

day of October, 1998.

WITNESSES:

1. *Jah J. Mark*

2. *Nitin Ramesh Keskar*

*Nitin Ramesh Keskar*  
NITIN RAMESH KESKAR

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

This 31st day of October, 1998, before me personally came the

above-named Nitin Ramesh Keskar 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

(Seal)

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

day of \_\_\_\_\_, 19\_\_\_\_.

WITNESSES:

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

\_\_\_\_\_  
JAMES BRAGDON WULF

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

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

This \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally came the  
above-named James Bragdon Wulf 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

(Seal)

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

day of \_\_\_\_\_, 19\_\_\_\_.

WITNESSES:

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

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

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

This \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, 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

(Seal)

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. November 16, 19 98

(Seal) PRAXAIR TECHNOLOGY, INC.

Chris M. Munn  
Witness:

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

Margaret Hardy  
Witness:

The application identified above as Docket No. D-20704 was filed in the  
United States Patent and Trademark Office on November 4, 19 98 and was given  
Serial Number 09/185,523.

This insertion was made by me this 16th day of November, 19 98

Bharat C. Gandhi  
Attorney For Applicants  
Bharat C. Gandhi