

APR 04 2001

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04-19-2001



101680435

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

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

Arun Acharya, Bayram Arman,  
Dante Patrick BonaquistAdditional 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

## 3. Nature of conveyance:

4-4-01

☒ Assignment

Execution Date: February 9 &amp; 13, 2001

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

## 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. 09/789,565  
Filed: 2/22/01

## 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. 06810-51136. 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

40E

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

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## 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.*

Stanley Ktorides

Name of Person Signing

Signature

4-3-01

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 &amp; Trademarks, Box Assignments

Washington, D.C. 20231

PATENT

REEL: 011684 FRAME: 0876

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

We, the undersigned, Arun Acharya, Bayram Arman and Dante Patrick Bonaquist, all  
Engineers and Citizens of the USA, residing respectively at 85 Twilight Lane, East Amherst, New York  
14051; 16 The Commons, Grand Island, New York 14072; and 1036 Ransom Road, Grand Island, New  
York, 14072

HEREBY STATE UNDER OATH that we are the original, first and true inventors of an invention  
 for CRYOGENIC REFRIGERATION SYSTEM USING

MAGNETIC REFRIGERATOR FORECOOLING  
 as described and/or claimed in our application for Letters Patent in the United States of America,  
 executed on the 9 + 13 day of Feb., 2001, (Docket No. D-20933).

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 13  
day of Feb., 2001.

WITNESSES:

1. Julie A. Demmin
2. John H. Payal

Arun Acharya,  
ARUN ACHARYA

State New York )  
County of Erie ) ss:

This 13 day of Feb., 2001, before me personally came  
the above-named Arun Acharya  
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  
Notary Public  
JULIE A. DEMMIN  
Notary Public, State of New York  
Qualified in Erie County  
My Commission Expires 4/5/01

SIGNED AND SEALED AT Tonawanda, NY this 9  
day of Feb., 2001.

WITNESSES:

1. Julie A. Demmin
2. Ann A. Lange

Bayram Arman  
BAYRAM ARMAN

State of New York )  
County of Erie ) ss:

This 9 day of Feb., 2001, before me personally came the

above-named Bayram Arman  
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 4/5/01

SIGNED AND SEALED AT Tonawanda, NY this 13  
day of Feb., 2001.

WITNESSES:

1. Julie A. Demmin
2. Ann A. Lange

Dante Patrick Bonaquist  
DANTE PATRICK BONAQUIST

State of New York )  
County of Erie ) ss:

This 13 day of Feb., 2001, before me personally came the

above-named Dante Patrick Bonaquist  
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  
Notary Public  
JULIE A. DEMMIN  
Notary Public, State of New York  
Qualified in Erie County  
My Commission Expires 4/5/01

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. April 3, 2001

(Seal)

PRAXAIR TECHNOLOGY, INC.

Joanne Marotta  
Witness:

Christina Hoffmann  
Witness:

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

The application identified above as Docket No. D-20933 was filed in the United States Patent and Trademark Office on February 22, 2001 and was given Serial Number 09/789,565.

This insertion was made by me this 3rd day of April, 2001

Stanley Ktorides  
Attorney For Applicants  
Stanley Ktorides

20933 AssignmentPTI.doc