

12-17-2001

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Form PTO-1595
(Rev. 03/01)

RE

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

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Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼

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

1. Name of conveying party(ies):

Ravi Prasad, Hisashi Kobayashi
and Pauline Jane Cook

12-12-01

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:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

November 20, 26, 2001

Execution Date: December 11, 2001Street Address: 39 Old Ridgebury RoadCity: Danbury State: CT Zip: 06810Additional 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. 09/983,826Filed: 10/26/01

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Joann M. Jelsa

Internal Address: _____

Praxair, Inc.Law Department - M1 557Street Address: 39 Old Ridgebury RoadCity: Danbury State: CT Zip: 068106. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☐ Enclosed☒ 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.

David M. Rosenblum, Reg. No. 29,341

Name of Person Signing

Signature

Date

12/11/01

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

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

12/14/2001 AMMER 00000007 162440 09983826
01 FC:581 40.00 CH

PATENT
REEL: 012362 FRAME: 0843

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

We, the undersigned, Ravi Prasad, Engineer and Citizen of the United States of America,
residing at 12 Yardley Lane, East Amherst, New York 14051; Hisashi Kobayashi, Engineer and
Citizen of Japan, residing at 170 Barger Street, Putnam Valley, New York 10579 and
Pauline Jane Cook, Engineer and Citizen of the United States of America, residing at 326 Knowlton
Avenue, Kenmore, New York 14217,

HEREBY STATE UNDER OATH that we are the original, first and true inventors of an invention
 for INTEGRATION OF CERAMIC OXYGEN TRANSPORT MEMBRANE
COMBUSTOR WITH BOILER FURNACE
 as described and/or claimed in our application for Letters Patent in the United States of America,

executed on the 20th and 26th day of November, 2001, (Docket No. D-20,641).
11th day of December, 2001

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 20
day of Nov., 2001.

WITNESSES:

1. Julie A. Dammin
2. Walter S. Saly

Ravi Prasad
RAVI PRASAD

State New York)
County of Erie) ss:

This 20 day of Nov., 2001, 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.

(Seal)

Julie A. Dammin
Notary Public
JULIE A. DAMMIN
Notary Public, State of New York
County of Erie
My Commission Expires 4/5/03

SIGNED AND SEALED AT Danbury, Connecticut this 11th

day of December, 2001.

WITNESSES:

1. Christina Mammens

2. Joanne Marotta

State of Connecticut

County of Fairfield

ss:

Danbury

This 11th day of December, 2001, before me personally came the

above-named Hisashi Kobayashi

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)

Mark S. Lyon

Notary Public
MARK S. LYON
NOTARY PUBLIC
MY COMMISSION EXPIRES SEP. 30, 2005

SIGNED AND SEALED AT Tombanda, NY this 26

day of Nov., 2001.

WITNESSES:

1. Julie A. Dammin

2. Pauline Jane Cook

Pauline Jane Cook
PAULINE JANE COOK

State of New York

County of Erie

ss:

This 26 day of Nov., 2001, before me personally came the

above-named Pauline Jane Cook

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. Dammin
Notary Public

JULIE A. DAMMIN
Notary Public, State of New York
County of Erie
My Commission Expires 4/5/03

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.

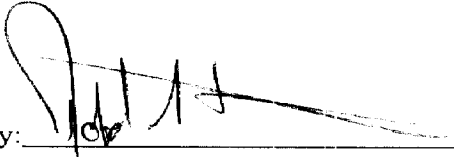
Danbury, Connecticut, U.S.A. December 11, 2001

(Seal)

PRAXAIR TECHNOLOGY, INC.


Richard Blake
Witness:

Christina Morone
Witness:

By: 
Robert G. Hohenstein
Authorized Agent

The application identified above as Docket No. D-20,641 was filed in the United States Patent and Trademark Office on October 26, 2001 and was given Serial Number 09/983,826.

This insertion was made by me this 11th day of December, 2001.


David M. Rosenblum
Reg. No. 29,341
Attorney For Applicants

AssignmentPTI.doc