

Modified

MRD 6.26.98



PRAXAIR TECHNOLOGY, INC.

To the Honorable Commissioner of Patent

100751427

and original documents or copy thereof.

1. Name of conveying party(ies):

Ravi Prasad, Christian Friedrich Gottzmann,
Nitin Ramesh Keskar

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

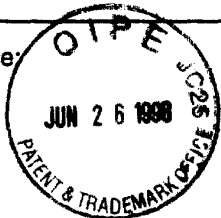
2. Name and address of receiving party(ies)

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:

Assignment



Execution Date: May 26, 1998

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. 09/089,513
Filed: June 3, 1998

B. Patent No.(s)

Additional numbers attached? Yes No

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

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

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)

07/01/1998 TTM11 00000001 162440 09089513
01 EC:501 40.00 CH

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.

Douglas E. Denninger

Name of Person Signing

Douglas E. Denninger
Signature

6/24/98
Date

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

JOINT

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

We, the undersigned, Ravi Prasad, Christian Friedrich Gottzmann, Engineers and Citizens of
the United States of America and Nitin Ramesh Keskar, Engineer and Citizen of India, respectively
residing at 12 Yardley Lane, East Amherst, New York 14051, 5308 Thompson Road, Clarence,
New York 14031 and 138 Spicer Creek, Apt. 11, Grand Island, New York, 14072,

HEREBY STATE UNDER OATH that we are the original, first and true inventors of an invention
for _____

PROCESS INTEGRATING A SOLID OXIDE FUEL CELL AND AN ION TRANSPORT REACTOR
as described and/or claimed in our application for Letters Patent in the United States of America,
executed on the 28th day of February, 192003, (Docket No. D-20633).

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 Westchester, New York this 22nd day of May, 19 86.

WITNESSES:

1. [Signature]

2. Ann Dehansys

[Signature]
RAVI PRASAD

State of Westchester)
County of Putnam) ss:

This 22nd day of May, 19 86, 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 for the State of New York
My Commission Expires 11/28/92

[Signature]
Notary Public

(Seal)

SIGNED AND SEALED AT White Plains, New York this 22nd
day of May, 19 98.

WITNESSES:

1. [Signature]
2. Annu Acharya

[Signature]
CHRISTIAN FRIEDRICH GOTTZMANN

State of New York)
County of Westchester) ss:

This 22nd day of May, 19 98, 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.

CHRISTIAN FRIEDRICH GOTTZMANN
Notary Public, State of New York
Qualified for the County
My Commission Expires 11/5/99

[Signature]
Notary Public

(Seal)

SIGNED AND SEALED AT White Plains, New York this 22nd
day of May, 19 98.

WITNESSES:

1. [Signature]
2. Annu Acharya

[Signature]
NITIN RAMESH KESKAR

State of New York)
County of Westchester) ss:

This 22nd day of May, 19 98, 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.

CHRISTIAN FRIEDRICH GOTTZMANN
Notary Public, State of New York
Qualified for the County
My Commission Expires 11/5/99

[Signature]
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. June 24, 1998

(Seal)

PRAXAIR TECHNOLOGY, INC.

[Signature]
Witness:

By: [Signature]
Joann M. Jelsa
Authorized Agent

[Signature]
Witness:

The application identified above as Docket No. D-20633 was filed in the United States Patent and Trademark Office on June 3, 1998 and was given Serial Number 09/089,513.

This insertion was made by me this 24th day of June, 1998

[Signature]
Attorney For Applicants
Douglas E. Deninger