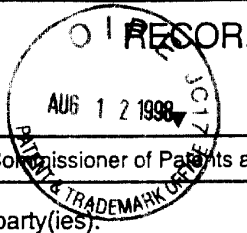


Modified



08-19-1998



ET From:

PRAXAIR TECHNOLOGY, INC.

To the Honorable Commissioner of Patents a

100782796

original documents or copy thereof.

1. Name of conveying party(ies).
Mark William Ackley Frank Notaro
Alan Barnard Stewart Michael Scott Kane
Gregory W. Henzler
Frederick Wells Leavitt
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

3. Nature of conveyance: MAD 8.12.98
 Assignment

Execution Date: July 13,14,15,28, 1998

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)

B. Patent No.(s)

S/N 09/097,172
Filed 6/12/98

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

6. Total number of applications and patents involved: 1

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

Authorized to be charged to deposit account

8. Deposit account number:

16-2440

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

08/17/1998 TT0N11 00000103 162440 09097172
01 FC:581 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.

Robert J. Follett
Name of Person Signing

Robert J. Follett
Signature

8/10/98
Date

Total number of pages including cover sheet, attachments, and document: 7

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

We, the undersigned, Mark William Ackley, Alan Barnard Stewart, Gregory W. Henzler,
Frederick Wells Leavitt, Frank Notaro and Michael Scott Kane, all Engineers and all Citizens of the
United States of America, residing at 96 Church Street, East Aurora, New York 14052; 69 Washington
Highway, Snyder, New York 14226-4332; 6700 Westminster Drive, East Amherst, New York 14051;
114 Sundridge Drive, Apt.4, Amherst, New York 14228; 18 Harcroft Court, Amherst, New York 14226
and 21 Londonderry Lane, Getzville, New York 14068 , respectively.

HEREBY STATE UNDER OATH that we are the original, first and true inventors of an invention
for PSA APPARATUS AND PROCESS USING ADSORBENT MIXTURES

as described and/or claimed in our application for Letters Patent in the United States of America,

executed on the 13th/15th day of July, 19 98, (Docket No. 20326-1).

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 July, 1998.

WITNESSES:

- 1. Julie A. Demmin
- 2. Ann Achanz

Mark William Ackley
MARK WILLIAM ACKLEY

State of New York)
County of Erie) ss:

This 13 day of July, 1998, before me personally came

the above-named William Mark 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.

(Seal)

Julie A. Demmin
Notary Public
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 14
day of July, 1998.

WITNESSES:

1. Julie A. Dammin

Alan Barnard Stewart
ALAN BARNARD STEWART

2. Ann A. Changis

State of New York)
County of Erie) ss:

This 14 day of July, 1998, before me personally came the
above-named Alan Barnard Stewart 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
Julie A. Dammin, Notary Public
Notary Public, State of New York
Qualified in Erie County
My Commission Expires 4/5/99

SIGNED AND SEALED AT Tonawanda, NY this 15
day of July, 1998.

WITNESSES:

1. Julie A. Dammin

Gregory W. Henzler
GREGORY W. HENZLER
(William)

2. Ann A. Changis

State of New York)
County of Erie) ss:

SIGNED AND SEALED AT Tonawanda, NY this 28
day of July, 1998.

WITNESSES:

- 1. Julie A. Demmin
- 2. Ann Acharya

Frederick Wells Leavitt
FREDERICK WELLS LEAVITT

State of New York)
County of Erie) ss:

This 28 day of July, 1998, before me personally came the
above-named Frederick Wells Leavitt 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
State of New York
Qualified in Erie County
My Commission Expires 4/5/99

SIGNED AND SEALED AT Tonawanda, NY this 13
day of July, 1998.

WITNESSES:

- 1. Julie A. Demmin
- 2. Ann Acharya

Frank Notaro
FRANK NOTARO

State of New York)
County of Erie) ss:

This 13 day of July, 1998, before me personally came the
above-named Frank Notaro 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
State of New York
Qualified in Erie County
My Commission Expires 4/5/99

SIGNED AND SEALED AT Tonawanda, NY this 13
day of July, 1998.

WITNESSES:

1. Julie A. Demmin

2. Ann A. Chang

Michael Scott Kane
MICHAEL SCOTT KANE

State of New York)
County of Erie) ss:

This 13 day of July, 1998, before me personally came the
above-named Michael Scott Kane 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
State of New York
Qualified in Erie County
My Commission Expires 4/5/99

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. August 10, 1998

(Seal)

PRAXAIR TECHNOLOGY, INC.

[Signature]
Witness:

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

[Signature]
Witness:

The application identified above as Docket No. 20326-1 was filed in the United States Patent and Trademark Office on June 12, 1998 and was given Serial Number 09/097,172

This insertion was made by me this 10th day of August, 1998

[Signature]
Attorney For Applicant
Robert J. Follett