

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Andrew C. Perry</td><td>08/26/2002</td></tr><tr><td>Paul S. Gilman</td><td>08/22/2002</td></tr><tr><td>Wendell Stuber</td><td>08/26/2002</td></tr><tr><td>Binu Mathew</td><td>08/26/2002</td></tr></tbody></table>	Name	Execution Date	Andrew C. Perry	08/26/2002	Paul S. Gilman	08/22/2002	Wendell Stuber	08/26/2002	Binu Mathew	08/26/2002	
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Andrew C. Perry	08/26/2002										
Paul S. Gilman	08/22/2002										
Wendell Stuber	08/26/2002										
Binu Mathew	08/26/2002										
RECEIVING PARTY DATA											
Name:	Praxair S.T. Technology, Inc.										
Street Address:	441 Sackett Point Road										
City:	North Haven										
State/Country:	CONNECTICUT										
Postal Code:	06473										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11804082</td></tr></tbody></table>	Property Type	Number	Application Number:	11804082							
Property Type	Number										
Application Number:	11804082										
CORRESPONDENCE DATA											
Fax Number:	(203)837-2545										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	(203) 837-2175										
Email:	Janie_Murphy@Praxair.com										
Correspondent Name:	Praxair, Inc.										
Address Line 1:	39 Old Ridgebury Road										
Address Line 4:	Danbury, CONNECTICUT 06810										
ATTORNEY DOCKET NUMBER:	21231-1										
NAME OF SUBMITTER:	Janie Murphy										
Total Attachments: 5 source=21231-1_ASSIGN_2-13-08#page1.tif											

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PATENT
REEL: 020502 FRAME: 0504

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JOINT

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

We, the undersigned, Andrew C. Perry, Engineer and Citizen of the United States of America,
residing at 880 Lotus Avenue, Oradell, New Jersey 07649; Paul S. Gilman, Director of Technology and
Citizen of the United States of America, residing at 5 Marget Ann Lane, Suffern, New York 10901;
Wendell Stuber, Precious Metals Division Supervisor and Citizen of the United States of America,
residing at 1363 Indian Springs Road, Pine Bush, New York 12566 and Binu Mathew, Engineer and
Citizen of India, residing at 175 North Main Street #32C, Spring Valley, New York 10977,

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

CONTROLLED-GRAIN-PRECIOUS METAL SPUTTER TARGETS

as described and/or claimed in our application for Letters Patent in the United States of America,
executed on the 22nd + 26th day of August 3rd September, 2002 (Docket No. CS-21231).

NOW, THEREFORE, in consideration of our employment by Praxair Surface Technologies, Inc.
manufacturers, a corporation organized and existing under the laws of the State of Delaware, United
States of America and having an office at 1500 Polco Street, Indianapolis, Indiana 46224, 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 S.T. 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 441 Sackett Point Road, North
Haven, Connecticut 06473, United States of America and being a wholly owned subsidiary of the said
Praxair Surface Technologies, 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 S.T. 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 S.T. 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 S.T. 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 _____, 2002.

WITNESSES:

1. _____



ANDREW C. PERRY

2. _____

State NEW YORK)
County of Rockland) ss:

This 26th day of August, 2002, before me personally

came the above-named Andrew C. Perry
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)

Sean P. Callanan
Notary Public, State of New York
Registration #01CA8041487
Qualified in Rockland County
My Commission Expires May 8, 2006

SIGNED AND SEALED AT _____ this _____

day of _____, 2002.

WITNESSES:

1. _____

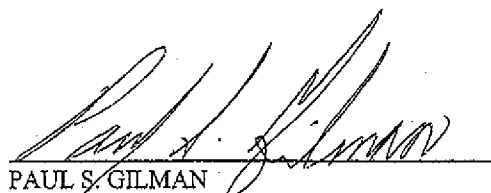
2. _____

State of New York)
County of Rockland) ss:

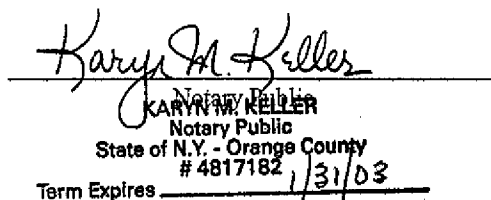
This 22 day of August, 2002, before me personally came the

above-named Paul S. Gilman

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.


PAUL S. GILMAN

(Seal)


KARYN M. KELLER
Notary Public
State of N.Y. - Orange County
4817182 1/31/03
Term Expires _____

SIGNED AND SEALED AT _____ this _____

day of _____, 2002.

WITNESSES:

1. _____

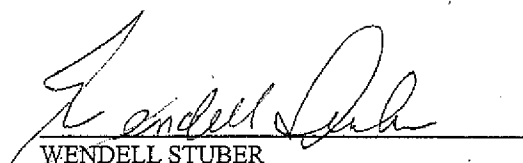
2. _____

State of New York)
County of Rockland) ss:

This 26th day of August, 2002, before me personally came the

above-named Wendell Stuber

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.


WENDELL STUBER

(Seal)


Notary Public

Sean P. Callanan
Notary Public, State of New York
Registration #01CA8041497
Qualified in Rockland County
My Commission Expires May 8, 2008

PATENT

REEL: 020502 FRAME: 0508

SIGNED AND SEALED AT _____ this _____

day of _____, 2002.

WITNESSES:

1. _____

Binu Mathew
BINU MATHEW

2. _____

State of NEW YORK)

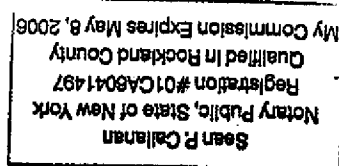
County of ROCKLAND) ss:

This 26 day of August, 2002, before me personally came the

above-named Binu Mathew

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)



Sean P. Callahan

Notary Public
Sean P. Callahan
Notary Public, State of New York
Registration #01CA6041497
Qualified in Rockland County
Commission Expires May 8, 2006

SIGNED AND SEALED AT _____ this _____

day of August, 2002.

WITNESSES:

1. _____

2. _____

State of NEW YORK)

County of ROCKLAND) ss:

This 26th day of August, 2002, 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)

Sean P. Callahan
Notary Public

Sean P. Callahan
Notary Public, State of New York
Registration #01CA6041497
Qualified in Rockland County
Commission Expires May 8, 2006

PATENT

REEL: 020502 FRAME: 0509

ACCEPTANCE

WE, the undersigned, PRAXAIR S.T. TECHNOLOGY, INC. of 441 Sackett Point Road, North Haven, Connecticut 06473, United States of America, do hereby declare that we have accepted the foregoing assignment.

Danbury, Connecticut, U.S.A. September 24, 2002

(Seal)

PRAXAIR S.T. TECHNOLOGY, INC.

Christina Mommers
Witness:

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

Margaret Hardy
Witness:

The application identified above as Docket No. CS-21231 was filed in the United States Patent and Trademark Office on August 8, 2002 and was given Serial Number 10/214,671.
This insertion was made by me this 24th day of September, 2002.

Cornelius F. O'Brien
Cornelius F. O'Brien
Reg. No. 24,579
Attorney for Applicants

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