

01-16-2003  
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U.S. Department of Commerce

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

1. Name of conveying party(ies):

Tadaharu Watanabe - 12/20/02  
Dan Frankel - 12/17/02  
Robert Torres Jr. - 12/20/02

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

Name and address of receiving party(ies)

Name: Matheson Tri-Gas  
Street address: 1861  
Lefthand Circle, Longmont,  
CO 80501

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

3. Nature of conveyance:

- ☒ Assignment  
☐ Security Agreement  
☐ Other

Execution Date: See Above

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) 10/284,423

Attorney Docket No.: MTG011

Additional numbers attached? ☐ Yes ☒ No

B. Patent No.(s)

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

Name: Steven C. Petersen  
Internal Address: Hogan & Hartson LLP  
One Tabor Center  
1200 17th Street, Suite 1500  
Street Address: same as above  
City: Denver State: CO Zip: 80202

6. Total number of applications and patents involved: 1

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

☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1123

(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.

Sarah S. O'Rourke  
Name of Person signing

Signature

Date

Jan. 10, 2003

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

## ASSIGNMENT

WHEREAS, we, Tadaharu Watanabe, having a residence address of 1995 E. Coalton Road, Superior, CO 80027; Dan Fraenkel having an address of 624 Shannon Road, Ponca City, OK 74604 and Robert Torres Jr., having a residence address of 16392 Maple Rock Court, Parker, CO 80134 have made a certain new and useful invention relating to MATERIALS AND METHOD FOR THE PURIFICATION OF INERT, NONREACTIVE, AND REACTIVE GASES, for which we have made application for Letters Patent of the United States, said application being identified by application number 10/284,423, and

WHEREAS, we now own the entire right, title and interest therein; and

WHEREAS, Matheson Tri-Gas, hereinafter ASSIGNEE, a Delaware corporation, whose mailing address is 1861 Lefthand Circle, Longmont, CO 80501, is desirous of acquiring the entire interest in and to said invention, said application, and the Letters Patent to be obtained therefor;

NOW THEREFORE, upon consideration of our employment and other good and valuable consideration, the adequacy of which is hereby acknowledged, we do hereby sell and assign unto ASSIGNEE, and ASSIGNEE'S legal representatives, successors, and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both of the United States and of other countries, that may or shall issue thereon; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, consistent with the terms of this Assignment.

UPON SAID CONSIDERATION, we do hereby covenant and agree with ASSIGNEE that we will not execute any writing or do any act whatsoever conflicting with this assignment, and that we will, at any time upon request, without further or additional consideration, but at the expense of ASSIGNEE, execute such additional assignments and other writings and do such additional acts as ASSIGNEE may deem necessary or desirable to perfect the ASSIGNEE'S enjoyment of this grant, and render all necessary assistance in applying for and obtaining original, continuation, continuation-in-part, divisional, reexamined, renewal, reissued or extended Letters Patent of the United States, or of other countries, or inventor's certificates, on said invention, and in enforcing any rights or causes in action accruing as a result of such applications, certificates, or patents, by giving testimony in any

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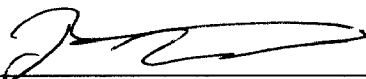
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proceedings or transactions involving such applications, certificates, or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals on the date hereinafter set forth.

Date: 12-20-02

  
\_\_\_\_\_  
Tadaharu Watanabe

STATE OF COLORADO                    )  
  )  
COUNTY OF \_\_\_\_\_            )       ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2002, before me, a notary public in and for said county, appeared Tadaharu Watanabe, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed, and delivered the same instrument as a free and voluntary act for the uses and purposes therein set forth.

My commission expires \_\_\_\_\_.

Witness my hand and official seal.

(SEAL)

\_\_\_\_\_  
Notary Public

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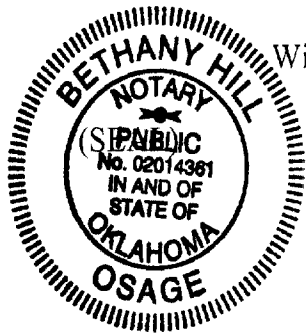
Date: December 17, 2002 Dan Fraenkel  
Dan Fraenkel

STATE OF OKLAHOMA )  
 )  
COUNTY OF Osage ) ss.

On this 17<sup>th</sup> day of December, 2002, before me, a notary public in and for said county, appeared Dan Fraenkel who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed, and delivered the same instrument as a free and voluntary act for the uses and purposes therein set forth.

My commission expires Aug. 22, 2006.

Witness my hand and official seal.



Bethany Hill  
Notary Public

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Date: 12-20-02

Robert Torres, Jr.  
Robert Torres, Jr.

STATE OF COLORADO )

COUNTY OF Boulder ) ss.

On this 20<sup>th</sup> day of December, 2002, before me, a notary public in and for said county, appeared Robert Torres, Jr. who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed, and delivered the same instrument as a free and voluntary act for the uses and purposes therein set forth.

My commission expires August 8, 2006.

Witness my hand and official seal.

(SEAL)

Sharon L. Cyren  
Notary Public

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