

06-25-2008

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



103510361

To the Director of the U.S. Patent and

uments or the new address(es) below.

1. Name of conveying party(ies)

Donald A. Fulton
Nicholas P. Wynn
Jurgen Kaschemekat

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 6/6/08, 6/10/08, 6/17/08

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: Membrane Technology and Research, Inc

Internal Address:

Street Address: 1360 Willow Road, Suite 103

City: Menlo Park

State: CA

Country: USA Zip: 94025

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.
A. Patent Application No.(s)
11/050,995
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Janet Farrant

Internal Address:

Street Address: 1360 Willow Road, Suite 103

City: Menlo Park

State: CA Zip: 94025

Phone Number: 650-328-2228

Fax Number: 650-328-6580

Email Address: jennyv@mtrinc.com

6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 3.41) \$

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information:

a. Credit Card Last 4 Numbers
Expiration Date
Total: \$88.00

b. Deposit Account Number
Authorized User Name

9. Signature:

Signature

Date

Janet Farrant

Name of Person Signing

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

7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

48.00 OP

Assignment of Invention and Patent Application

For value received,

Jurgen Kaschemekat of **Campbell, CA**

(hereinafter assignor) hereby assigns, transfers and sets over unto **Membrane Technology and Research, Inc.** of Menlo Park, CA and his or her successors or assigns (hereinafter assignee), **100%** of the following:

A) Assignor's right, title and interest in and to the invention entitled:

"Gas Separation Membrane Module Assembly"

invented by assignor;

B) The application for United States Patent therefor, signed by assignor

Jurgen Kaschemekat on 6 / 17 / 08

US Patent and Trademark Office Serial Number **11/050,995** filing date **February 4, 2005;**

C) Any patent or any reissue of any patent that may be granted thereon; and

D) Any applications that are continuations, continuations-in-part, substitutes or divisions of said application.

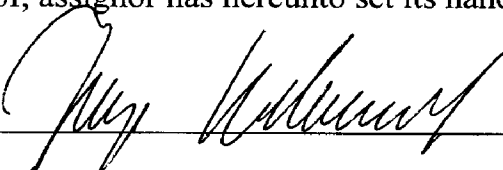
Assignor authorizes assignee to enter the date of signature and/or serial number and filing date in the spaces above. Assignor also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) as follows: **100%** to assignee and **0%** to assignor. (The singular shall include the plural and vice versa.)

Assignor hereby further sells, assigns, transfers and sets over unto assignee, the above percentage of assignor's entire right, title and interest in and to said invention in each and every country foreign to the United States. Assignor further conveys to assignee the above percentage of all priority rights resulting from the above-identified application for United States patent.

Assignor agrees to execute all papers, give any required testimony and perform other lawful acts, at assignee's expense, as assignee may require to enable assignee to perfect assignee's interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey and uphold the validity of said patent and reissues and extensions thereof, and assignee's interest therein.

In testimony whereof, assignor has hereunto set its hand and seal on the date below.

Signature



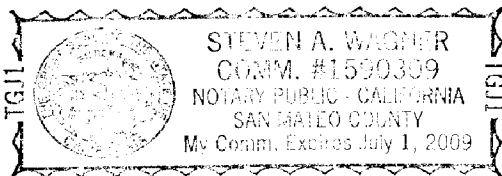
Jurgen Kaschemekat

State CA

Jurgen Kaschemekat

Known to me to be the person whose name is subscribed on the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 17th day of June 2008



SEAL

My commission expires

7/1/09

Assignment of Invention and Patent Application

For value received,

Nicholas P Wynn of **Redwood City, CA**

(hereinafter assignor) hereby assigns, transfers and sets over unto **Membrane Technology and Research, Inc.** of Menlo Park, CA and his or her successors or assigns (hereinafter assignee), **100%** of the following:

A) Assignor's right, title and interest in and to the invention entitled:

"Gas Separation Membrane Module Assembly"

invented by assignor;

B) The application for United States Patent therefor, signed by assignor

Nicholas P. Wynn on June 10th 2008

US Patent and Trademark Office Serial Number **11/050,995** filing date **February 4, 2005;**

C) Any patent or any reissue of any patent that may be granted thereon; and

D) Any applications that are continuations, continuations-in-part, substitutes or divisions of said application.

Assignor authorizes assignee to enter the date of signature and/or serial number and filing date in the spaces above. Assignor also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) as follows: **100%** to assignee and **0%** to assignor. (The singular shall include the plural and vice versa.)

Assignor hereby further sells, assigns, transfers and sets over unto assignee, the above percentage of assignor's entire right, title and interest in and to said invention in each and every country foreign to the United States. Assignor further conveys to assignee the above percentage of all priority rights resulting from the above-identified application for United States patent.

Assignor agrees to execute all papers, give any required testimony and perform other lawful acts, at assignee's expense, as assignee may require to enable assignee to perfect assignee's interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey and uphold the validity of said patent and reissues and extensions thereof, and assignee's interest therein.

In testimony whereof, assignor has hereunto set its hand and seal on the date below.

Signature Nicholas P. Wynn.

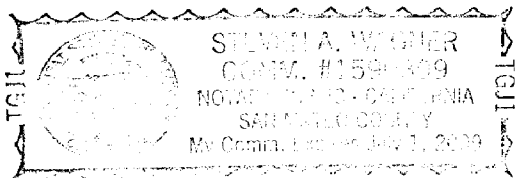
Nicholas P. Wynn

State CALIFORNIA

Nicholas P. Wynn

Known to me to be the person whose name is subscribed on the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 10TH day of JUNE 2008



[Signature]
My commission expires 7/1/09

SEAL

Assignment of Invention and Patent Application

For value received,

Donald A Fulton of **Fairfield, CA**

(hereinafter assignor) hereby assigns, transfers and sets over unto **Membrane Technology and Research, Inc.** of Menlo Park, CA and his or her successors or assigns (hereinafter assignee), **100%** of the following:

A) Assignor's right, title and interest in and to the invention entitled:

"Gas Separation Membrane Module Assembly"

invented by assignor;

B) The application for United States Patent therefor, signed by assignor

Donald A. Fulton on **June 6, 2008** _____

US Patent and Trademark Office Serial Number **11/050,995** filing date **February 4, 2005;**

C) Any patent or any reissue of any patent that may be granted thereon; and

D) Any applications that are continuations, continuations-in-part, substitutes or divisions of said application.

Assignor authorizes assignee to enter the date of signature and/or serial number and filing date in the spaces above. Assignor also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) as follows: **100%** to assignee and **0%** to assignor. (The singular shall include the plural and vice versa.)

Assignor hereby further sells, assigns, transfers and sets over unto assignee, the above percentage of assignor's entire right, title and interest in and to said invention in each and every country foreign to the United States. Assignor further conveys to assignee the above percentage of all priority rights resulting from the above-identified application for United States patent.

Assignor agrees to execute all papers, give any required testimony and perform other lawful acts, at assignee's expense, as assignee may require to enable assignee to perfect assignee's interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey and uphold the validity of said patent and reissues and extensions thereof, and assignee's interest therein.

In testimony whereof, assignor has hereunto set its hand and seal on the date below.

Signature Donald A. Fulton

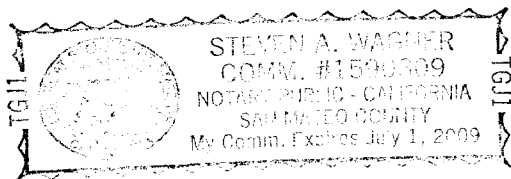
Donald A Fulton

State CALIFORNIA

Donald A Fulton

Known to me to be the person whose name is subscribed on the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 6th day of JUNE 2008



[Signature]
My commission expires 7/1/09

SEAL