

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

### RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commissioner of Patents and Trademarks; Please record the attached original document(s) or copy(ies).

#### Submission Type

New

Resubmission (Non-Recordation)  
Document ID#

Correction of PTO Error  
Reel #  Frame #

Corrective Document  
Reel #  Frame #

#### Conveyance Type

Assignment  Security Agreement

License  Change of Name

Merger  Other  Confirmatory License

U.S. Government  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

#### Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1)  Membrane Technology & Research, Inc.  Execution Date  
Month Day Year  
3/13/2004

Name (line 2)

Second Party  
Name (line 1)  Execution Date  
Month Day Year

Name (line 2)

#### Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)  U.S. Department of Energy  If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)  P.O. Box 808, L-376

Address (line 2)

Address (line 3)  Livermore  CA  94550  
City State/Country Zip Code

#### Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

Mail documents to be recorded with required cover sheet(s) information to the Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

700080699

REEL: 014563 FRAME: 0859

FORM PTO-1619B  
Expires 09/30/99  
OMB 0651-0027

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

**Correspondent Name and Address**

Area Code and Telephone Number

(925) 422-4367

Name William C. Daubenspeck

Address (line 1) U.S. Department of Energy

Address (line 2) Lawrence Livermore National Laboratory

Address (line 3) P.O. Box 808, MS L-376

Address (line 4) Livermore, CA 94550

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 1

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

10/105,861

If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT  PCT  PCT   
PCT  PCT  PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

0.00

Method of Payment:

Enclosed

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the Deposit Account Number: #

Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Janet L. Rego

Name of Person Signing

*Janet L. Rego*  
Signature

4-21-04

Date

Mr. William C. Daubenspeck, Patent Attorney  
Department of Energy, National Nuclear Security Administration  
Office of Chief Counsel, Intellectual Property Law Division  
Livermore Office, P.O. Box 808, L-376  
Livermore, CA 94550

PATENT

REEL: 014563 FRAME: 0860

Patent Application Filed in  
the Name of the Contractor

**CONFIRMATORY LICENSE**

**Title: Gas Separation Using Organic-Vapor-Resistant  
Membranes In Conjunction With Organic-Vapor-  
Selective Membranes**  
**Inventor(s): Richard W. Baker et al.**  
**Contract Number: DE-FG03-97ER82429**  
**Contractor: Membrane Technology & Research, Inc.**

**DOE Docket No.: S-103,977**  
**U.S. Patent Application: S.N.: 10/105,861**  
**Filing Date: March 25, 2002**  
**U.S. Patent Number: 6,572,679 B2**  
**Issue Date: June 3, 2003**

**Foreign patent applications filed or intended to be filed at contractor's expense in (countries):**

NONE

**The Contractor certifies that a true copy of the provisions which govern patent rights in "subject inventions" under the above-identified contract is herewith submitted or has been submitted to the U.S. Department of Energy by certification dated March 13, 2004.**

WHEREAS, the above-identified contract provides the Contractor with the right to elect to retain title in certain inventions and the Contractor has reported the above-identified invention as a subject invention under the contract, has elected to retain title therein, and has agreed to file a domestic patent application thereon, if not previously filed.

ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-identified contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the above-identified invention, the above-identified patent application(s), and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

The Government reserves for itself, and is hereby granted by the Contractor, the irrevocable power to inspect and make copies of the file wrapper(s) of the above-identified U.S. patent application and of any related or continuation patent application(s), whether domestic or foreign, for the above-identified invention.

It is understood and agreed that this instrument does not preclude the Government from asserting rights under the provisions of the above-identified contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

**Signed on behalf of:** Membrane Technology & Research, Inc.  
(Contractor)

**Witness:** Marcia A. Patten  
(Signature)

**By:** [Signature] 3/13/04  
(Contractor Official's Signature) (Date)

Marcia A. Patten, Patent Dept  
(Name and Title)

Janet Farrant, Patent Agent  
(Print/Type Contractor Official's Name and Title)

1360 Willow Road, Suite 103  
(Print/Type Contractor's Address)

Menlo Park, CA 94025-1516