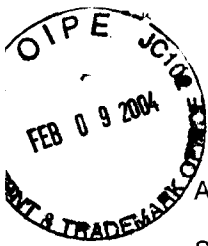


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UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: STEPHEN N. PAGLIERI; STEPHEN A. BIRDSSELL; ROBERT S. BARBERO;
 RONNY C. SNOW; FRANK M. SMITH

Serial No.: 10/652,574

Filed: 08/29/2003

For: TUBULAR HYDROGEN PERMEABLE METAL FOIL MEMBRANE AND METHOD OF
 FABRICATION

Group:

Examiner:

Docket No.: LAD02-032

MAIL STOP ASSIGNMENT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22213-1450

ASSIGNMENT RECORDATION COVER LETTER

PATENT OR PATENT APPLICATION

1. NAMES OF PARTY(IES) MAKING TRANSFER

- Name 1: STEPHEN N. PAGLIERI
- Name 2: STEPHEN A. BIRDSSELL
- Name 3: ROBERT S. BARBERO
- Name 4: RONNY C. SNOW
- Name 5: FRANK M. SMITH

2. IDENTITY OF PARTY(IES) TO WHOM TRANSFER IS MADE

This transfer is being made to:

Name: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 Address: 1111 FRANKLIN STREET, 12TH FLOOR
 OAKLAND, CA 94607-5200

3. INTENTION OF DOCUMENT

A brief description of what the accompanying document intends to accomplish is that it is an:

- Assignment
- License
- Security Interest

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Other

4. **IDENTIFICATION OF PATENT OR APPLICATION**

Particulars of the patent or application to which the accompanying document applies are:

Inventor(s):

STEPHEN N. PAGLIERI; STEPHEN A. BIRDSELL; ROBERT S. BARBERO;
RONNY C. SNOW; FRANK M. SMITH

For (title):

TUBULAR HYDROGEN PERMEABLE METAL FOIL MEMBRANE AND METHOD OF
FABRICATION

- (a) U.S. patent application filed herewith.
- (b) U.S. patent application serial no. 10/652,574 filed on 08/29/2003.
- (c) U.S. patent no. _____ issued _____.

5. **NAME AND ADDRESS TO WHICH CORRESPONDENCE SHOULD BE MAILED**

Please address all correspondence and return the recorded document to:

John P. O'Banion
O'BANION & RITCHEY LLP
400 Capitol Mall, Suite 1550
Sacramento, CA 95814

6. **NUMBER OF APPLICATIONS OR PATENTS IDENTIFIED AND TOTAL FEE DUE**

The number of applications or patents identified herein is: 1

Total Fee Due \$ 40.00

7. **DATE DOCUMENT WAS EXECUTED**

The accompanying document was executed on: 02/05/2004.

8. **FEE PAYMENT**

Fee payment is provided for as follows:

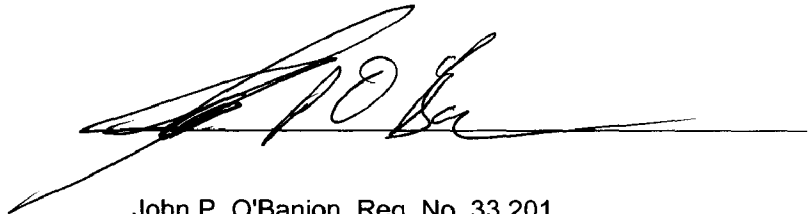
- Attached is a check in the sum of \$40.00
- Charge Account No. 07-1137 if any additional fee is due.
- Charge Account No. _____ in the sum of _____.

9. **STATEMENT OF AUTHENTICITY**

The undersigned certifies that, to the best of his or her knowledge and belief, the information contained in this cover sheet is true and correct, and any copy of the document submitted for recording is a true copy of the original document.

10. **SIGNATURE**

Dated: 2/9/04

A handwritten signature in black ink, appearing to read 'J.P. O'Banion', written over a horizontal line.

John P. O'Banion, Reg. No. 33,201
O'BANION & RITCHEY LLP
400 Capitol Mall, Suite 1550
Sacramento, CA 95814
(916) 498-1010

PATENT

Attorney Docket No. LAD2002-032

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

Name: STEPHEN N PAGLIERI
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ESPANOLA, NM 87532

Nationality: UNITED STATES OF AMERICA

hereby sell(s), assign(s) and transfer(s) to ASSIGNEE.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, A CALIFORNIA CORPORATION, 1111 FRANKLIN STREET, 12th Floor, OAKLAND, CA 94607-5200,

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

TUBULAR HYDROGEN PERMEABLE METAL FOIL MEMBRANE AND METHOD OF FABRICATION

and which is found in

- (a) U.S. provisional patent application filed herewith and listing the above named person(s) as inventor(s).

- (b) [] U.S. patent application filed herewith listing the above named person(s) as inventor(s).
- (c) [X] U.S. patent application serial no. 10/652,574, filed on 08/29/2003.
- (d) [] U.S. Patent No.: _____, issued _____.

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said Invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the ASSIGNOR(S) request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, the Regents of the University of California.

Date: 1/30/04

Inventor: Stephen N. Paglieri
STEPHEN N. PAGLIERI

Date: 1-27-04

Inventor: Stephen A. Birdsell
STEPHEN A. BIRDSELL

Date: 02-02-04

Inventor: Robert S. Barbero
ROBERT S. BARBERO

Date: 2/5/04

Inventor: Ronny C. Snow
RONNY C. SNOW

Date: 02-02-04

Inventor: Frank M. Smith
FRANK M. SMITH