

05-11-2000

ket No. M0925/7076/TJO

RECORDAT



101353042

FORM PTO-1595 U.S.
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)

DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Assistant Commissioner for Patents : Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Aleksander J. Franz, Klavs F. Jensen, Martin A. Schmidt, Samara Firebaugh</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: 02/15/00, 03/08/00, 03/30/00</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: Massachusetts Institute of Technology</p> <p>Internal Address:</p> <p>Street Address: 77 Massachusetts Avenue Cambridge, MA 02139</p> <p>Additional name(s) & addresses(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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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) 09/453,246	B. Patent No.(s)
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Additional numbers attached? ☐ Yes ☒ No

<p>5. Name and address of party to whom correspondence Concerning document should be mailed:</p> <p>Name: Timothy J. Oyer Address: WOLF, GREENFIELD & SACKS, P.C. Federal Reserve Plaza 600 Atlantic Avenue Boston, MA 02210</p>	<p>6. Total number of applications and patents involved: [1]</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>The Commissioner is authorized to charge:</p> <p>8. Deposit Account No: 23/2825</p>
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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.

Timothy J. Oyer		April 14, 2000
Name of Person Signing	Signature	Date

Total number of pages including cover sheet, attachments, and document: **[12]**

Mail documents to be recorded with required cover sheet information to:
Box Assignment
Commissioner of Patents & Trademarks,
Washington, D.C. 20231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Aleksander J. Franz et al.
Serial No: 09/453,246
Filed: December 2, 1999
For: INTEGRATED PALLADIUM-BASED MICROMEMBRANES FOR
HYDROGEN SEPARATION AND
HYDROGENATION/DEHYDROGENATION REACTIONS
Art Unit: 1724

Box Assignment
ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

Sir:

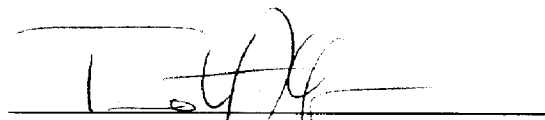
Transmitted herewith is/are the following document(s):

- ☒ Assignment of the Invention to Massachusetts Institute of Technology
- ☒ Patent Assignment Recordation Form Cover Sheet (Form PTO-1595)
- ☒ Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

A check in the amount of \$40.00 is enclosed to cover the filing fee. If the fee is insufficient, the balance may be charged to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully Submitted,



Timothy J. Oyer, Reg. No. 36,628
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA 02210-2211
(617) 720-3500

Docket No. M0925/7076
April 14, 2000
xNDD

449053.1

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned Aleksander J. Franz, ~~13 Malvern Avenue, #2, Somerville, MA 02144~~ *6 Keenan Dr. #2, Somerville, MA 02144*, Klavs F. Jensen, 103 Outlook Drive, Lexington, MA 02421, Martin A. Schmidt, 78 Ashley Place, Reading, MA 01867, Samara Firebaugh, 362 Memoerial Drive, #603, ~~Cambridge, MA 02139~~ *MA, 01890* hereby

Sell, assign and transfer to Massachusetts Institute of Technology, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on December 2, 1999 under Serial No. 09/453,246 and entitled INTERGRATED PALLADIUM-BASED MICROMEMBRANES FOR HYDROGEN SEPARATION AND HYDROGENATION/DEHYDROGENATION REACTIONS, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

We agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

We covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Date 3/30/2000

Aleksander J. Franz
Aleksander J. Franz

STATE OF Massachusetts
COUNTY OF Middlesex :

Subscribed and sworn to before me this 30 day of March, 2000.

SEAL

Carol Phillips
Notary Public
My Commission Expires _____

CAROL PHILLIPS
Notary Public
My Commission Expires April 23, 2004

Date _____

Klavs F. Jensen

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____.

SEAL

Notary Public
My Commission Expires _____

Date _____

Martin A. Schmidt

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____.

SEAL

Notary Public
My Commission Expires _____

Date _____ Samara Firebaugh _____

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____ .

SEAL

Notary Public
My Commission Expires _____

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned Aleksander J. Franz, 13 Malvern Avenue, #2, Somerville, MA 02144, Klavs F. Jensen, 103 Outlook Drive, Lexington, MA 02421, Martin A. Schmidt, 78 Ashley Place, Reading, MA 01867, Samara Firebaugh, 362 Memoerial Drive, #603, Cambridge, MA 02139 hereby

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Date _____ Aleksander J. Franz

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____.

SEAL

Notary Public
My Commission Expires _____

3/8/00
Date _____

Klavs F. Jensen
Klavs F. Jensen

STATE OF Massachusetts :
COUNTY OF Middlesex :

Subscribed and sworn to before me this 8th day of March, 2000.

SEAL

Carol Phillips
Notary Public
My Commission Expires _____

CAROL PHILLIPS
Notary Public
My Commission Expires April 23, 2004

Date _____ Martin A. Schmidt

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____.

SEAL

Notary Public
My Commission Expires _____

Date _____

Samara Firebaugh _____

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____ .

SEAL

Notary Public
My Commission Expires _____

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned Aleksander J. Franz, 13 Malvern Avenue, #2, Somerville, MA 02144, Klavs F. Jensen, 103 Outlook Drive, Lexington, MA 02421, Martin A. Schmidt, 78 Ashley Place, Reading, MA 01867, Samara Firebaugh, 362 Memoerial Drive, #603, Cambridge, MA 02139 hereby

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Date _____ Aleksander J. Franz _____

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____.

SEAL

Notary Public
My Commission Expires _____

Date _____ Klavs F. Jensen _____

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____.

SEAL

Notary Public
My Commission Expires _____

Date 2/15/00 _____

STATE OF Massachusetts :
COUNTY OF Worcester :

Subscribed and sworn to before me this 15th day of February.

SEAL

Martin A. Schmidt
Martin A. Schmidt
Sharon M. Blum
Notary Public
My Commission Expires Dec. 17, 2004

Date

Samara Firebaugh

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____ .

SEAL

Notary Public
My Commission Expires _____

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned Aleksander J. Franz, 13 Malvern Avenue, #2, Somerville, MA 02144, Klavs F. Jensen, 103 Outlook Drive, Lexington, MA 02421, Martin A. Schmidt, 78 Ashley Place, Reading, MA 01867, Samara Firebaugh, 362 Memorial Drive, #603, Cambridge, MA 02139 hereby

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Date Aleksander J. Franz

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____.

SEAL

Notary Public
My Commission Expires _____

Date Klavs F. Jensen

STATE OF _____ :
COUNTY OF _____ :

Subscribed and sworn to before me this _____ day of _____.

SEAL

Notary Public
My Commission Expires _____

Date Martin A. Schmidt

STATE OF _____ :
COUNTY OF _____ :

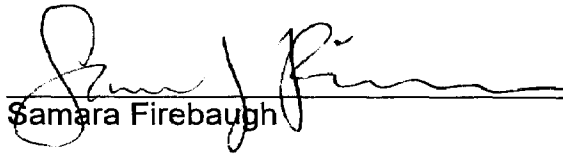
Subscribed and sworn to before me this _____ day of _____.

SEAL

Notary Public
My Commission Expires _____

02/15/00

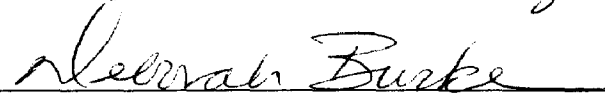
Date


Samara Firebaugh

STATE OF Massachusetts :
COUNTY OF Middlesex :

Subscribed and sworn to before me this 15th day of February.

SEAL


Notary Public
My Commission Expires ~~Deborah Burke~~
My Comm. Exp
7/2/2004