

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

S- 90147

TO: The Director of the United States Patent and Trademark Office: 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) REGENTS OF THE UNIVERSITY OF MINNESOTA

Execution Date  
Month Day Year  
5/6/1998

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

Name (line 2)

Address (line 1) 1000 Independence Avenue, S.W.

Address (line 2)

Address (line 3) Washington

D.C.

20585-0162

City

State/Country

Zip Code

☐ 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.)

### 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 Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS

Mail documents to be recorded with required cover sheet(s) information to:

Mail Stop Assignment Recordation Services, Director of the United States Patent and Trademark Office,  
P.O. Box 1450, Alexandria, VA 22313-1450

700099467

REEL: 014862 FRAME: 0545

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

Page 2

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

## Correspondent Name and Address

Area Code and Telephone Number

202-586-2802

Name Brenda K. Banks

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

Address (line 2) 1000 Independence Avenue, S.W.

Address (line 3) Washington, D. C. 20585-0162

Address (line 4)

## 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)

09/005,676

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 account.)

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.

Brenda K. Banks

Name of Person Signing

Signature

Date

09/005, 676

**CONFIRMATORY LICENSE**

(Nonprofit Organizations or Small Business Firms)

Title : *CONTROL OF H2 AND CO PRODUCED IN PARTIAL OXIDATION PROCESS*

Inventor(s) : *Larry D. Schmidt & Paul M. Witt*  
*Lanny*

Serial No. : *005,676* Filing Date: *January 5, 1998*

Contractor : *The University of Minnesota*

DOE Contract No.: *DE-FG02-88ER13878*

DOE Case No. : *S-90,147*

Patent Rights Clause No.: *DEAR 952.227-71*

Foreign Applications filed in or intended to be filed at Contractor's expense in (countries): *Undecided*

The contractor, having the right to retain title to Subject Inventions as a result of Public Law 96-517, has reported the above-identified invention as a Subject Invention to DOE with its election to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up license to practice or to have practiced for or on behalf of the United States, required by the Public Law and the above-identified contract, in this Subject Invention, patent application and any resulting patent, as well as any continuation, divisional, reissue, supplemental or continuation-in-part thereof, throughout the world and of all other rights acquired by the Government by the above-identified patent rights clause, a copy of which is attached hereto and incorporated by reference herein. The undersigned certifies the attached copy to be a true copy of said clause. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified Subject Invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 6<sup>th</sup> day of May, 19 98

(SEAL)

REGENTS OF

THE UNIVERSITY OF MINNESOTA

(Contractor)

By:

(Contractor's Official and Title)

Anthony L. Strauss, Director, MCEB Technologies  
Morrill Hall, 100 Church St. SE, Minneapolis, MN 55455

(Business Address)

**CONFIRMATORY LICENSE**

(Nonprofit Organizations or Small Business Firms)

Title : *CONTROL OF H2 AND CO PRODUCED IN PARTIAL OXIDATION  
PROCESS*

Inventor(s) : *Larry D. Schmidt & Paul M. Witt  
Lanny*

Serial No. : *005,676* Filing Date: *January 5, 1998*

Contractor : *The University of Minnesota*

DOE Contract No.: *DE-FG02-88ER13878*

DOE Case No. : *S-90,147*

Patent Rights Clause No.: *DEAR 952.227-71*

Foreign Applications filed in or intended to be filed at Contractor's expense in (countries): *Undecided*

The contractor, having the right to retain title to Subject Inventions as a result of Public Law 96-517, has reported the above-identified invention as a Subject Invention to DOE with its election to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up license to practice or to have practiced for or on behalf of the United States, required by the Public Law and the above-identified contract, in this Subject Invention, patent application and any resulting patent, as well as any continuation, divisional, reissue, supplemental or continuation-in-part thereof, throughout the world and of all other rights acquired by the Government by the above-identified patent rights clause, a copy of which is attached hereto and incorporated by reference herein. The undersigned certifies the attached copy to be a true copy of said clause. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified Subject Invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 6<sup>th</sup> day of May, 19 98

(SEAL)

REGENTS OF  
THE UNIVERSITY OF MINNESOTA

(Contractor)

By:

(Contractor's Official and Title)

Anthony L. Strauss, Director, MCEB Technologies  
Morrill Hall, 100 Church St. SE, Minneapolis, MN 55455

(Business Address)