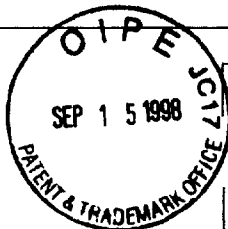


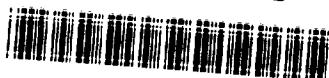
FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027



09-21-1998

S-87,144

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



100870251

## 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

**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)  Execution Date  
Month Day Year

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)

☐ 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)

Address (line 2)

Address (line 3)     
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 Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

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

**PATENT**

REEL: 9455 FRAME: 0695

MRP 9/15/98

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 202-586-2810

Name Betty Winchester

Address (line 1) United States Department of Energy

Address (line 2) GC-62, MS 6F-067 (FORSTL)

Address (line 3) 1000 Independence Avenue, S.W.

Address (line 4) Washington, DC 20585

## 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)

08835897

## Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was  
signed by the first named executing inventor.

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:

Deposit Account

Enclosed ☐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.

Sharon Kennedy

Name of Person Signing

Signature

SEP 15 1998

Date

SN 08/835,897

DOE Docket No.: S-87,144

CONFIRMATORY LICENSE

Application for: Process for Selection of Oxygen-Tolerant Algal Mutants that Produce H<sub>2</sub> Under Aerobic Conditions  
Inventor(s): Maria L. Ghirardi and Michael Seibert  
Serial No.: 08/835,897  
Filing Date: April 14, 1997  
Contract No.: DE-AC36-83CH10093  
Contractor: Midwest Research Institute


The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract (certified on February 9, 1996) governing patent rights in the Subject Invention at the time the invention was made has been submitted to the U.S. Department of Energy.

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

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said 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.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 18th day of June, 1997.

  
Ken Richardson  
Assistant Chief Patent Counsel

National Renewable Energy Laboratory  
1617 Cole Blvd.  
Golden, CO 80401