



05-01-2002

5-96,043 D9
U.S. Department of Commerce
Patent and Trademark Office
PATENT



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102073934

PATENTS ONLY

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Conveyance Type

☒ Assignment ☐ Security Agreement
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PATENT
REEL: 012833 FRAME: 0653

Correspondent Name and Address

Area Code and Telephone Number

202-586-2810

Name Betty A. Winchester

Address (line 1) MS 6F-067 (FORSTL), GC-62

Address (line 2) United States Department of Energy

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

Address (line 4) Washington, D. C. 20585-0162

Pages

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

2

Application Number(s) or Patent Number(s)

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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)

09/966570

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

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Number of Properties

Enter the total number of properties involved.

1

Fee Amount

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

40.00

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:

01-2752

Authorization to charge additional fees:

Yes



No

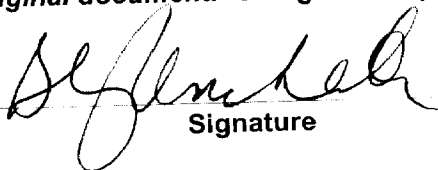


Statement and Signature

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.

Betty A. Winchester

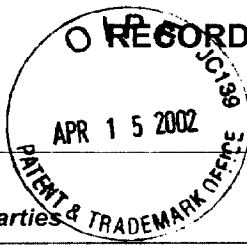
Name of Person Signing



Signature

APR 15 2002

Date



**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

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

Conveying Party(ies)

Enter additional Conveying Parties

☐ Mark if additional names of conveying parties attached

Name (line 1) CHAMPAGNE, Kenneth J.

Execution Date
Month Day Year
11/05/2001

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

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Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)

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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)

09/966570

PATENT

REEL: 012833 FRAME: 0655

U.S. Department of Energy

09/966,570

PATENT ASSIGNMENT FORM

WHEREAS, we, McMahan L. Gray, Yee Soong and Kenneth J. Champagne
citizens of the United States residing
in Pittsburgh, County of Allegheny, State of PA;
in Monroeville, County of Allegheny, State of PA;
in Fredericktown, County of Washington, State of PA;

have invented certain new and useful improvements in NOVEL AMINE ENRICHED
SOLID SORBENT FOR CARBON DIOXIDE CAPTURE, for which we are about to file an
application for United States Letters Patent identified as S-96,043 and
executed by us on the 29th day of October 20 01; and on the 30th day
of October 20 01; and on the 5th day of November 20 01;

WHEREAS, the Government of the United States desires to acquire the entire
right, title, and interest in and to said invention and in and to any Letters Patent
wherever they may be issued thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in
consideration of the sum of One Dollar to us in hand paid by the Government of the
United States, and for other good and valuable consideration, the receipt of which
is hereby acknowledged, we by these presents do sell, assign, and transfer unto the
said Government of the United States, as represented by the United States Department
of Energy, and/or its assigns, the entire right, title, and interest in and to the
said invention and in and to any and all Letters Patent wherever they may be granted
thereon as well as reissues and extensions of said Letters Patent are or may be
granted, reissued, or extended, as fully and entirely as the same would have been
held or enjoyed by us had this assignment not been made.

We agree to make, execute, and deliver unto the Government of the United
States, or to the United States Department of Energy, any and all papers, documents,
affidavits, renewal, divisional and reissue applications, statements, or other
instruments in such usual or other forms, terms and contents as may be required by
the United States Department of Energy, or its duly authorized representative, in or
incident to the prosecution or conduct of any and all applications, before as well
as after the issuance of any Letters thereon, or in the adjustment or settlement of
any interferences or other actions or proceedings that said applications may
encounter or in which they may become involved and we agree that we will encounter
or in which they may become involved and we agree that we will aid the Government of
the United States in every way in protecting the inventions as may be requested by
the United States Department of Energy or its assigns, except that any expenses
arising through extending such assistance will be paid for by proper arrangement
with the Government of the United States.

WITNESS:

Paul C. Dunlap
(SEAL)

INVENTORS:

Mr Mahomed S. Haef

Date 10/28/01

WITNESS:

Don C. Dunlap
(SEAL)

INVENTORS:

You say

Date 10-20-01

WITNESS:

Don C. Munley
(SEAL)

INVENTORS:


Kenneth Chapin

Date 11-05-01

~~Approved and consented to this _____ day of _____, 20____~~

ATTEST:

(SEAL)

By 
Its

Accepted for the Benefit of the Government of the United States.

UNITED STATES DEPARTMENT OF ENERGY

WITNESS:

Kather Balaban

By [Signature]
Assistant General Counsel for Patents

By P. O. [Signature]
Assistant General Counsel for Patents