

06-26-2002



102134746



S-96,044

Handwritten mark

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

Submission Type form with checkboxes for New, Resubmission, Correction of PTO Error, Corrective Document and handwritten date 6-19-02.

Conveyance Type

Conveyance Type form with checkboxes for Assignment, License, Merger, Security Agreement, Change of Name, Other, and U.S. Government options.

Conveying Party(ies)

Conveying Party(ies) form with checkboxes for additional names and execution date fields for two parties.

Receiving Party

Receiving Party form with checkboxes for additional names and a note about domestic representatives, plus address fields.

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Domestic Representative Name and Address form with fields for Name and Address (lines 1-4).

FOR OFFICE USE ONLY

06/25/2002 DBYRNE 00000080 012752 10040758 01 FC:581 40.00 CH

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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

**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)

<input type="text" value="10/040758"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

**Number of Properties** Enter the total number of properties involved. #

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

Method of Payment: Enclosed  Deposit Account

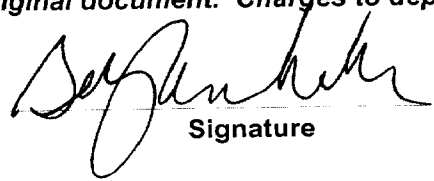
Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: #

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.

Betty A. Winchester  
Name of Person Signing



Signature

JUN 19 2002  
Date

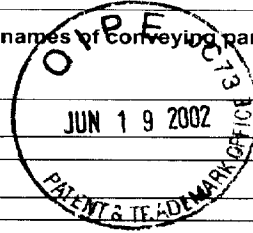
# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

## Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)	FREEMAN, Mark C.	Execution Date Month Day Year 11/28/2001
Name (line 2)		
Name (line 1)	HARGIS, Richard A.	Execution Date Month Day Year 11/28/2001
Name (line 2)		
Name (line 1)	O'DOWD, William J.	Execution Date Month Day Year 11/28/2001
Name (line 2)		



## Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)		<input type="checkbox"/> 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
Name (line 1)		<input type="checkbox"/> 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

## 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)

10/040758					

U.S. Department of Energy  
PATENT ASSIGNMENT FORM

Joint  
10/040,758

WHEREAS, we, Henry W. Pennline, Evan J. Granite, Mark C. Freeman,  
Richard A. Hargis and William J. O'Dowd, citizens of the United States  
residing

in Bethel Park, County of Allegheny, State of Pennsylvania;

in Wexford, County of Allegheny, State of Pennsylvania;

in South Park Township, County of Allegheny, State of Pennsylvania;

in Canonsburg, County of Washington, State of Pennsylvania;

in Charleroi, County of Washington, State of Pennsylvania;

have invented certain new and useful improvements in THE THIEF PROCESS FOR  
THE REMOVAL OF MERCURY FROM FLUE GAS, for which we are about to file an

application for United States Letters Patent identified as S-96,044 and

executed by us on the 28<sup>th</sup> day of NOV 2001; and on the 28<sup>th</sup> day of

Nov 2001; and on the 28<sup>th</sup> day of NOV 2001; and on the 28<sup>th</sup>

day of Nov 2001; and on the 28<sup>th</sup> day of Nov 2001;

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:

Ann C. Dunlap  
(SEAL)

INVENTORS:

Henry W. Paul  
Date 11/28/01

WITNESS:

Ann C. Dunlap  
(SEAL)

INVENTORS:

Greg Fite  
Date 11/28/01

WITNESS:

Ann C. Dunlap  
(SEAL)

INVENTORS:

Mark Freeman  
Date 11/28/01

WITNESS:

Ann C. Dunlap  
(SEAL)

INVENTORS:

Richard A. Hej  
Date 11/28/01

WITNESS:

Ann C. Dunlap  
(SEAL)

INVENTORS:

William O. Dawd  
Date 11/28/01

Approved and consented to this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

ATTEST:

\_\_\_\_\_  
(SEAL)

By \_\_\_\_\_  
The University of Chicago  
Its \_\_\_\_\_

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

UNITED STATES DEPARTMENT OF ENERGY

WITNESS:

Kathleen Baldoni

By D. J. [Signature]  
Assistant General Counsel for Patents