

03-15-1999

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



100982380

RECORDATION FORM COVER SHEET

PATENTS ONLY

M203499

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

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☒ 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)	<input type="text" value="RICHARDS, George A."/>	Execution Date Month Day Year <input type="text" value="02/26/1998"/>
Name (line 2)	<input type="text"/>	
Second Party		
Name (line 1)	<input type="text" value="JANUS, Michael C."/>	Execution Date Month Day Year <input type="text" value="02/23/1998"/>
Name (line 2)	<input type="text"/>	

Receiving Party

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Name (line 1)	<input type="text" value="United States Department of Energy"/>	<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)	<input type="text"/>		
Address (line 1)	<input type="text" value="1000 Independence Avenue, S.W."/>		
Address (line 2)	<input type="text"/>		
Address (line 3)	<input type="text" value="Washington"/>	<input type="text" value="District of Columbia"/>	<input type="text" value="20585-162"/>
	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)

3/11/1999 DNGUYEN 00000197 012752 09034613

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1 FC:581 40.00 CH

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. 20585-162

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

# 2

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)

09/034,613

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): \$

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

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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

3/4/1999

Date

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLYU.S. Department of Commerce  
Patent and Trademark Office  
PATENT

## Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) GRIFFITH, Richard A.

Execution Date  
Month Day Year  
02/26/1998

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)

## Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1)

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☐ 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.)

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Zip Code

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## 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)

09/034,613

## Patent Number(s)

PATENT

REEL: 9806 FRAME: 0131

Joint

U.S. DEPARTMENT OF ENERGY  
PATENT ASSIGNMENT FORM

WHEREAS, we, George A. Richards, Michael C. Janus and Richard A. Griffith, citizens of the United States residing in Morgantown, County of Monongalia, State of West Virginia; in Baltimore, County of Baltimore, State of Maryland; and in Morgantown, County of Monongalia, State of West Virginia, have invented certain new and useful improvements in PERIODIC EQUIVALENCE RATIO MODULATION METHOD AND APPARATUS FOR CONTROLLING COMBUSTION INSTABILITY, for which we are about to file an application for United States Letters Patent identified as S-87,008; and executed by us on FEB. 26, 1998, FEB. 23, 1998, FEB. 26, 1998, respectively; and

WHEREAS, the Government of the United States desires to acquire the entire right, title, and interest in and to the 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, the same to be held and enjoyed by the said Government of the United States to the full end of the term or terms for which 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 Patent 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 aid the Government of the United States in every way in protecting the invention 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:

Lisa A. Jan

INVENTOR:

George A. Richards (SEAL)DATE 2/26/98

WITNESS:

Scott M. Kelly

INVENTOR:

Michael C. Janus (SEAL)DATE 2/23/98

WITNESS:

Lisa A. Jan

INVENTOR:

Richard A. Dyfite (SEAL)

DATE 2-26-98

Approved and consented to this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_

ATTEST:

\_\_\_\_\_

(SEAL)

By \_\_\_\_\_

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

UNITED STATES DEPARTMENT OF ENERGY

WITNESS:

[Signature]

By

[Signature]

Assistant General Counsel for Technology Transfer  
and Intellectual Property