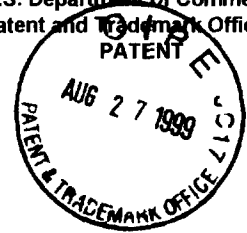


09-01-1999

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MRO
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101131737

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Conveyance Type

Assignment Security Agreement

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Execution Date		
Month	Day	Year
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Name (line 1) ANTIEAU, Susan M.

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Second Party

Name (line 1) JOHNSON, Robert G. R.

Name (line 2)

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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.)

Name (line 1) United States Department of Energy

Name (line 2)

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

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

Address (line 3) Washington D.C. 20585

City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

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Address (line 2)

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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)

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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)

09/222811						

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)

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PCT		PCT		PCT	

Number of Properties

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#

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 Winchester

Name of Person Signing


Signature

AUG 27 1999

Date

09/222, 811

AP96-016
DOE Case S-88,117

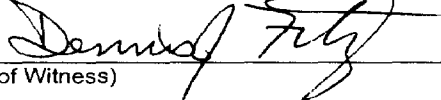
U.S. DEPARTMENT OF ENERGY
PATENT ASSIGNMENT

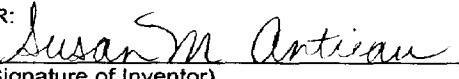
WHEREAS, I Susan M. Antieau, citizen of the United States residing in Pittsburgh,
County of Allegheny, State of Pennsylvania
and, I Robert G. R. Johnson, citizen of the United States residing in Trafford,
County of Allegheny, State of Pennsylvania
have invented certain new and useful improvements in "Susceptor Heating Device for Electron Beam Brazing"
for which we are about to file an application for United States Letters Patent identified as S-88,117
and; executed by us on November 2, 1998; 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;

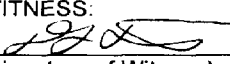
NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar to us in hand paid by the Government of the United States, and for other good and valuable consideration, the receipt of which is hereby acknowledged, we by these presents do sell, assign, and 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.

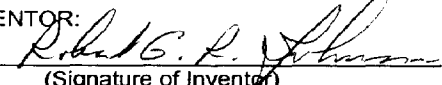
We agree to make, execute, and deliver unto the Government of the United States, or to the United States Department of Energy, any and all papers, documents, affidavits, renewal, divisional and reissue applications, statements, or other instruments in such usual or other forms, with terms and contents 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, except that any expenses arising through extending such assistance will be paid for by proper arrangement with the Government of the United States.

WITNESS 
(Signature of Witness)

INVENTOR:  (SEAL)
(Signature of Inventor)

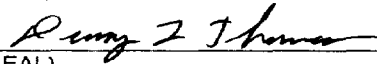
Date 4/28/99

WITNESS: 
(Signature of Witness)

INVENTOR:  (SEAL)
(Signature of Inventor)

Date 4/28/99

Approved and consented to this 5th day of May, 19 99.

ATTEST: 
(SEAL)


(Signature of Corporate Officer)

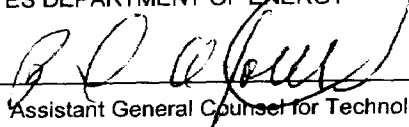
By Byron H. Ruth, Bechtel Bettis, Inc.

Its President
(Title of Corporate Officer)

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

UNITED STATES DEPARTMENT OF ENERGY

By


Assistant General Counsel for Technology
Transfer and Intellectual Property

WITNESS:

