

FORM PTO-1619A
Expires 08/30/99
OMB 0651-0027

09-01-1999



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Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other
- U.S. Government**
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- ☒ Departmental File ☐ Secret File

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- ☒ Mark if additional names of conveying parties attached
- Name (line 1) ASHCROFT, John M. Execution Date Month Day Year 05/23/97
- Name (line 2)

Second Party

- Name (line 1) CAMPBELL, Brian C. Execution Date Month Day Year 05/23/97
- Name (line 2)

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- Name (line 1) United States Department of Energy ☐ 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) GC-62 (FORSTL) MS 6F-067
- 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

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- Name
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08/31/1999 MTHAI1 00000245 012752 08873296

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FORM PTO-1619B

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U.S. Department of Commerce
Patent and Trademark Office

PATENT

Correspondent Name and Address

Area Code and Telephone Number 202-586-2810Name Betty A. WinchesterAddress (line 1) United States Department of EnergyAddress (line 2) GC-62 (FORSTL) MS 6F-067Address (line 3) 1000 Independence Avenue, S.W.Address (line 4) Washington, D. C. 20585

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)

08873296

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

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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:

Deposit Account

Enclosed ☐Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

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01-2752

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Betty A. Winchester

Name of Person Signing

Betty A. Winchester
SignatureAUG 27 1999

Date

FORM PTO-1619C

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U.S. Department of Commerce
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Conveying Party(ies)

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Enter additional Conveying Parties

Name (line 1) DEPOY, David M.

Name (line 2)

Name (line 1)

Name (line 2)

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

05/23/97

Execution Date
Month Day Year

Execution Date
Month Day Year

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

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Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

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State/Country

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)

08567679

Patent Number(s)

U.S. DEPARTMENT OF ENERGY
PATENT ASSIGNMENT FORMWHEREAS, we John M. Ashcroft, Brian C. Campbell and David M. Depoy

_____, citizens of the United States residing
 in _____, County of _____,
 State of _____; residing in _____,
 County of _____, State of _____;
 residing in _____, County of _____,
 State of _____; and residing in _____,
 County of _____, State of _____,

have invented certain new and useful improvements in DOUBLE OPPOSITE-END
TUBESHEET DESIGN FOR A THERMOVOLTAIC ENERGY CONVERTER

_____, for which we are about to file an application for
 United States Letters Patent identified as S-82,022; and; executed by
 us on 5/23/97, 5/23/97, 5/23/97,
 and on _____; 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 me 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, 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 or its assigns 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 me 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:

Shirley Smith

INVENTORS:

John M. Kraft (SEAL)

Date 5/23/97

WITNESS:

Shirley Smith

John M. Kraft (SEAL)

Date 5/23/97

WITNESS:

Shirley Smith

John M. Kraft (SEAL)

Date 5/23/97

WITNESS:

_____ (SEAL)

Date _____

Approved and consented to this 23 day of May, 1997,

ATTEST:

(SEAL)

KAPL Inc., A Lockheed Martin Company

By John M. Kraft

Its President

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

WITNESS:

Kathleen Balaban

UNITED STATES DEPARTMENT OF ENERGY

By Robert L. A. Smith

Assistant General Counsel for
Intellectual Property