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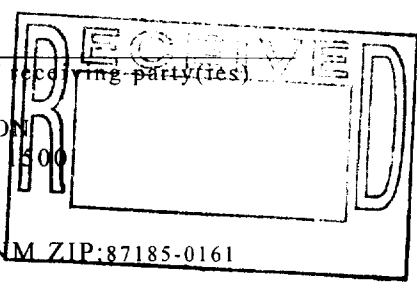
FORM PTO-1595  
Rev. 6-93) OMB No 0651-0011 (EXP. 4/94)



U.S. DEPARTMENT OF COMMERCE  
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101121854

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copies thereof.



1. Name of conveying party(ies): 2. Name and address of receiving party(ies)

Kevin R. Zavadil, Judith A. Ruffner,  
And Donald B. King

SANDIA CORPORATION  
Patent & Licensing, 11500  
Mail Stop - 0161  
P. O. Box 5800  
Albuquerque, State: NM ZIP: 87185-0161

Additional name(s) of conveying party(ies) attached? Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
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Execution Date: 2/25/99

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 Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
09/257,336

B. Patent No.(s)  
Filed: 2/25/99 Issued:

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Timothy D. Stanley  
Sandia National Laboratories  
Internal Address: Patent & Licensing, 11500  
Mail Stop 0161  
Street Address: P. O. Box 5800

6. Total number of applications and patents involved: one (1)

7. Total fee (37 CFR 3.41) \$40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit Account number: 19-0131  
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City: Albuquerque State: NM ZIP: 87185-0161

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9. 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.

Timothy D. Stanley

Signature

Date 8/19/99

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 010167 FRAME: 0303

ASSIGNMENT

WHEREAS, **Kevin R. Zavadil, Judith A. Ruffner, and Donald B. King, of Albuquerque, NM;** has(have) made an invention relating to **LOW WORK FUNCTION MATERIALS FOR MICROMINIATURE ENERGY CONVERSION AND RECOVERY APPLICATIONS** in the course of the work authorized by Contract DE-AC04-94AL85000 between SANDIA CORPORATION and the UNITED STATES DEPARTMENT OF ENERGY, said invention being disclosed and claimed in an application for United States patent, identified as DOE Docket No: S92327, duly executed by Kevin R. Zavadil, Judith A. Ruffner, and Donald B. King, on February 25, 1999, in Albuquerque, NM.

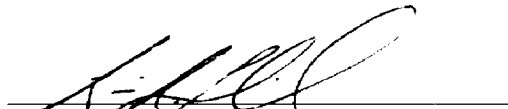
WHEREAS Inventor(s), in consideration of employment by Sandia Corporation, has(have) agreed, among other things, to assign to Sandia Corporation, its successors and assigns, all rights to inventions, discoveries, or improvements made or conceived in the course of their employment; and

WHEREAS, the Government of the United States, as represented by the U.S. Department of Energy has granted a waiver of Government rights in the above-identified invention to Sandia Corporation under Class Waiver W(C)93-012; and

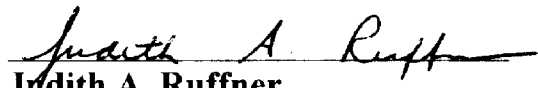
THEREFORE, Inventor(s) hereby sells, assigns, and transfers unto Sandia Corporation their entire right, title, and interest in and to said invention and in and to all resulting patents, wherever they may be granted, as well as reissues or extensions of said patents.

Inventor(s) covenants with Sandia Corporation that, except for the rights, if any, of the Government, his/her interest in the rights and property herein conveyed is free and clear of any encumbrance and that they have full right to convey the same as herein expressed. They agree, at the request of Sandia corporation, to make, execute, and deliver to Sandia Corporation, the Government, or other party prosecuting patent applications on this invention, any and all papers, documents, affidavits, applications, statements or other instruments relating to said invention, take all rightful oaths and do all acts as may reasonably be required of them in or incident to the prosecution of any or all applications on said invention or in the adjustment or settlement of any interferences or other actions or proceedings that said applications or patents thereon may encounter or in which they may become involved.

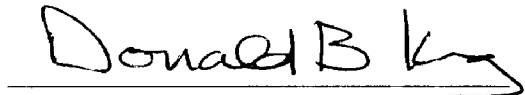
Signed at Albuquerque, New Mexico.

  
Kevin R. Zavadil

Date: 2/25/99

  
Judith A. Ruffner

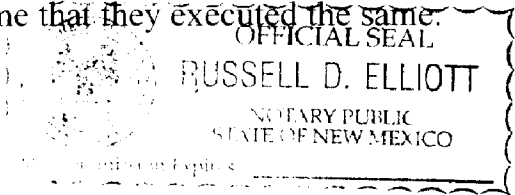
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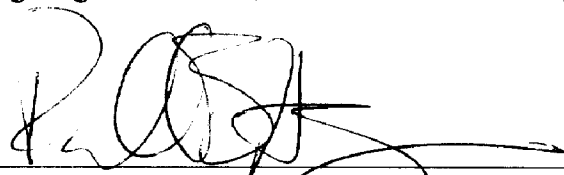
  
Donald B. King

Date: 2/25/99

STATE OF NEW MEXICO )  
                                  ) ss:  
COUNTY OF BERNALILLO )

On the the dates listed above, personally appeared before me, Russell D. Elliott, Notary Public, **Kevin R. Zavadil, Judith A. Ruffner, and Donald B. King**, to me known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that they executed the same.



  
Notary Public

Approved and consented to this 25<sup>TH</sup> day of February, 1999.

SANDIA CORPORATION

\_\_\_\_\_  
Timothy D. Stanley  
Chief Patent Counsel  
Patent and Licensing Office, MS 0161