

Form PTO-1595 (Rev. 06/04)  
Omb NO. 0651-0027 (EXP. 8/30/2005)

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**1. Name of conveying party(ies)/Execution Date(s):**  
 Patrick R. Lewis  
 Ronald P. Manginell  
 David R. Wheeler  
 Daniel E. Trudell  
 Execution Dates) 11/2/04 & 11/3/04  
 Additional name(s) of conveying party(ies) attached?  Yes  No

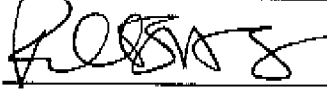
**2. Name and address of receiving party(ies)**  
 Name SANDIA CORPORATION  
 Internal Address: MS-0161  
 Street Address: P.O. Box 5800, MS-0161  
 City: Albuquerque  
 State: New Mexico  
 Country: USA Zip: 87185-0161  
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**3. Nature of conveyance:**  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.  
 A. Patent Application No.(s) 10/981,010  
 Filed 11/04/04  
 B. Patent No.(s) \_\_\_\_\_  
 Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
 Name: Sandia National Laboratories  
 Internal Address: Intellectual Property, 11500  
Mail Stop -0161  
 Street Address: P.O. Box 5800  
 City: Albuquerque  
 State: New Mexico Zip: 87185  
 Phone Number: 505-844-5626  
 Fax Number: 505-844-1418  
 Email Address: rusty@sandia.gov

**6. Total number of applications and patents involved:** one (1)  
**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)  
**8. Payment Information**  
 a. Credit Card Last 4 Numbers \_\_\_\_\_  
 Expiration Date \_\_\_\_\_  
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**9. Signature:**  Signature 12/21/04 Date  
Russell D. Elliott Name of Person Signing  
 Total number of pages including cover sheet, attachments, and documents 3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 190131 10981010

SD7621/ S103,485  
November 1, 2004

ASSIGNMENT

WHEREAS, **Patrick R. Lewis, Ronald P. Manginell, David R. Wheeler, and Daniel E. Trudell**, has(have) made an invention relating to **MICROFABRICATED THERMIONIC DETECTOR**, 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: **S-103,485** duly executed by said inventors and

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, domestic and foreign,

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.

