

Form PTO-1595 (Rev. 03-09)  
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U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

### RECORDATION FORM COVER SHEET PATENTS ONLY

*SD-11448.1/3118,641*

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

#### 1. Name of conveying party(ies)

Michael C. Wanke  
Christopher D. Nordquist

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

Additional name(s) & address(es) attached?  Yes  No

#### 3. Nature of conveyance/Execution Date(s):

Execution Date(s) 08/25/2010

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- 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)

12/868,440

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: Legal Technology Transfer Center

Street Address: P.O. Box 5800, MS-0161

City: Albuquerque

State: New Mexico Zip: 87185

Phone Number: 505-284-9280

Fax Number: 505-844-1418

Email Address: kkampsc@sandia.gov

#### 6. Total number of applications and patents involved: one

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

#### 8. Payment Information

Deposit Account Number 19-0137

Authorized User Name \_\_\_\_\_

#### 9. Signature:

  
Signature

Kerry Kampschmidt  
Name of Person Signing

10/15/10  
Date

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, 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 12868440

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August 20, 2010

## ASSIGNMENT

WHEREAS, **Michael C. Wanke and Christopher D. Nordquist** has(have) made an invention relating to **Integration of a Terahertz Quantum Cascade Laser with a Hollow Waveguide**, 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-118,641** 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; 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.

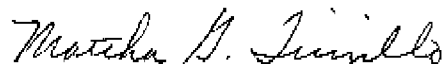
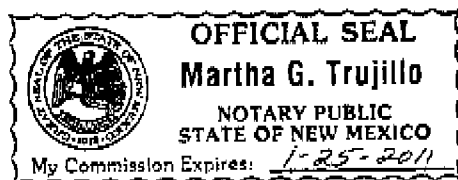
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Signed at Albuquerque, New Mexico  
City and State  
\_\_\_\_\_  
Michael C. WankeAug 25, 2010  
Date  
\_\_\_\_\_  
Christopher D. NordquistAug 25, 2010  
DateSTATE OF NEW MEXICO )  
) ss:  
COUNTY OF BERNALILLO)

On the dates listed above, personally appeared before me, Martha G. Trujillo, Notary Public, Michael C. Wanke, and Christopher D. Nordquist, 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 PublicApproved and consented to this 18 day of October, 2010.

SANDIA CORPORATION

  
\_\_\_\_\_  
Kerry Kampschmidt, Chief IP Counsel  
Legal Technology Transfer Center, MS 0161