Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0551-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0551-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS Mail documents to be recorded with required cover sheet(s) information to:

Mall Stop Assignment Recordation Services, Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 PATENT

FORM PTO-1619B Expires 06/30/99 OMB 0851-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	Area Code and Telephone Number	202-586-2802
Name Brenda K. Banks		
Address (line 1) U. S. Department of Energy		
Address (line 2) 1000 Independence Avenue, S.W.		
Address (line 3) Washington, D. C. 20585-0162		
Address (line 4)		
including any attachments.	ges of the attached conveyance documer	#1
Application Number(s) or Patent Num		ditional numbers attached
Enter either the Patent Application Number or the P Patent Application Number(s)		
10/658,906	Patent I	Number(s)
f this document is being filed together with a new Pater was	nt Application, enter the date the patent application	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	PCT PCT
lumber of Properties	number of properties involved. #	1
ee Amount Fee Amount	for Properties Listed (37 CFR 3.41): \$	
Method of Payment: Enclos Deposit Account (Enter for payment by deposit account or if addi	Sed Deposit Account itional fees can be charged to the account.)	0.00
	withorization to charge additional fees: Ye	no V
tatement and Signature		
To the best of my knowledge and beli attached copy is a true copy of the or indicated herein.	ief, the foregoing information is true and riginal document. Charges to deposit ac	correct and any count are authorized, as
Brenda K. Banks	BrendakBanks	6/1/04
Name of Person Signing	Signature	Date

10/658,906 SD-8467/S-102,131 May 7, 2004

CONFIRMATORY LICENSE

Application for:

Backscatter Absorption Gas Imaging Systems and Light Sources Therefor

Inventor(s):

K. M. Armstrong; U-B. Goers; D. A. V. Kliner; T. J. Kulp; R. L. Sommers

Serial Number:

10/658,906

Filing Date:

September 10, 2003 DE-AC04-94AL85000

Contract No.: Contractor:

Sandia Corporation

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract certified on January 9, 1996, governing patent rights in the Subject Invention at the time the invention was made, has been submitted to the U.S. Department of Energy.

The Contractor hereby confirms that under the provisions of the above-numbered contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid up license to practice or have practiced for or on behalf of the United States the Subject Invention throughout the world. This license applies to the invention in the aboveidentified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 10th day of May, 2004.

RECORDED: 06/01/2004

Kurt C. Olsen Attorney

If the invention was made under a subcontract, please identify the Prime Contractor:

, Prime Contract No._____

PATENT REEL: 014680 FRAME: 0362