

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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| 5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Mark P. Dvorscak</u> Internal Address: <u>U. S. Dept. of Energy, IPLD</u> Street Address: <u>9800 S. Cass Ave</u> City: <u>Argonne</u> State: <u>IL</u> Zip: <u>60439</u> Phone Number: <u>630-252-2393</u> Fax Number: <u>630-252-2779</u> Email Address: _____ | 6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____ <input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number _____ Authorized User Name _____ | |
| 9. Signature: <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 60%;"> Signature <u>Michael J. Dobbs #58,093</u> Name of Person Signing </div> <div style="width: 35%; text-align: right;"> Date _____ </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 60%;"> Total number of pages including cover sheet, attachments, and documents: </div> <div style="width: 35%; text-align: center; border: 1px solid black; padding: 5px;"> 2 </div> </div> | | |

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CONFIRMATORY LICENSE

Title of Invention: PASSIVE MILLIMETER WAVE SPECTROMETER FOR
REMOTE DETECTION OF CHEMICAL PLUMES

Inventors: Nachappa Gopalsami, Sasan Bakhtiari, Apostolos C. Raptis, and
Thomas W. Elmer

Divisional Patent Application Serial No.: 12/371,871

Filing Date: February 16, 2009

Patent Number:

Issue Date:

Contractor: UChicago Argonne, LLC

DOE Contract No.: DE-AC02-06CH11357

DOE Case No.: S-409,042

ANL Case No.: ANL-IN-06-001

119,317

The Contractor has reported the above-identified invention as a subject invention to DOE and has elected to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide license in this subject invention, patent application and any resulting patent, including any continuation, divisional, reissue, or supplemental application thereof, to practice or to have practiced for or on behalf of the United States throughout the world; and of all other rights acquired by the Government by the patent rights clause in the above-identified contract.

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

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Signed this 28th day of May, 2009

Contractor Name: UChicago Argonne, LLC

By: 

Mark D. Hillard

Chief Patent Counsel

Argonne National Laboratory

PATENT

RECORDED: 09/09/2009

REEL: 023207 FRAME: 0787

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