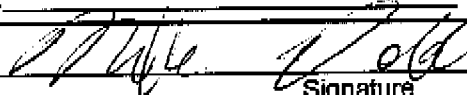


Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
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<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 5px; font-weight: bold; font-size: 1.2em;">CAB</div> <div style="text-align: center; flex-grow: 1;"> RECORDATION FORM COVER SHEET PATENTS ONLY </div> <div style="border: 1px solid black; padding: 5px; font-weight: bold; font-size: 1.2em;">S-111,920</div> </div>	
<p style="text-align: center; font-size: 0.8em;">To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.</p>	
<p>1. Name of conveying party(ies) The Regents of the University of California</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: <u>United States Department of Energy</u> Internal Address: _____ _____ Street Address: <u>1000 Independence Ave. S.W.</u> _____ City: <u>Washington</u> State: <u>D.C.</u> Country: <u>USA</u> Zip: <u>20585</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>February 9, 2007</u></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"><input type="checkbox"/> Assignment</div> <div style="width: 50%;"><input type="checkbox"/> Merger</div> <div style="width: 50%;"><input type="checkbox"/> Security Agreement</div> <div style="width: 50%;"><input type="checkbox"/> Change of Name</div> <div style="width: 50%;"><input type="checkbox"/> Joint Research Agreement</div> <div style="width: 50%;"><input type="checkbox"/> Government Interest Assignment</div> <div style="width: 50%;"><input checked="" type="checkbox"/> Executive Order 9424, Confirmatory License</div> <div style="width: 50%;"><input type="checkbox"/> Other _____</div> </div>	<p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s) Serial No. <u>11/567,056</u></p> <p>B. Patent No.(s) _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>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: _____</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____</p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"><input type="checkbox"/> Authorized to be charged by credit card</div> <div style="width: 50%;"><input type="checkbox"/> Authorized to be charged to deposit account</div> <div style="width: 50%;"><input type="checkbox"/> Enclosed</div> <div style="width: 50%;"><input checked="" type="checkbox"/> None required (government interest not affecting title)</div> </div>
<p>8. Payment Information</p> <p>a. Credit Card Last 4 Numbers _____ Expiration Date _____</p> <p>b. Deposit Account Number _____ Authorized User Name _____</p>	
<p>9. Signature: <u></u> <u>2/27/07</u> Signature Date</p> <p style="text-align: center;">Michael J. Dobbs #58,093 Name of Person Signing</p> <p style="text-align: right;">Total number of pages including cover sheet, attachments, and documents: 2</p>	

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CONFIRMATORY LICENSE

Title: Structures for Dense, Crack Free Thin Films
Contractor: The Regents of the University of California
Contract No: DE-AC02-05CH11231
LBNL Docket No: IB-1302A **DOE Docket No.** S-111,920
 (continuation of 10/162,511)

Inventor(s): Jacobson, Craig P.;
 DeJonghe, Lutgard C.;
 Visco, Steven J.
US Patent App No.: 11/567,056
Filing Date: December 5, 2006
U.S. Patent No.:
Issue Date:

Foreign patent applications filed or intended to be filed at contractor's expense in (countries):
 (none)

The Contractor certifies that a true copy of the provisions which govern patent rights in "subject inventions" under the above-identified contract is herewith submitted or has been submitted to the U.S. Department of Energy by certification dated October 29, 1996.

WHEREAS, the above-identified contract provides the Contractor with the right to elect to retain title in certain inventions and the Contractor has reported the above-identified invention as a subject invention under the contract, has elected to retain title therein, and has agreed to file a domestic patent application thereon, if not previously filed.

ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-identified 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 above-identified invention, the above-identified patent application(s), and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

The Government reserves for itself, and is hereby granted by the Contractor, the irrevocable power to inspect and make copies of the file wrapper(s) of the above-identified U.S. patent application and of any related or continuation patent application(s), whether domestic or foreign, for the above-identified invention.

It is understood and agreed that this instrument does not preclude the Government from asserting rights under the provisions of the above-identified 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.

Signed on behalf of: The Regents of the University of California, Lawrence Berkeley National Laboratory
 (Contractor)

Witnessed: Sharon Kay Reineman **By:** R'Sue P. Caron 2/9/2007
 (Signature) (Contractor Official's Signature) (Date)

Sharon Kay Reineman, Admin. Asst.
 (Name and Title)

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 Berkeley, CA 94720-8127

PATENT