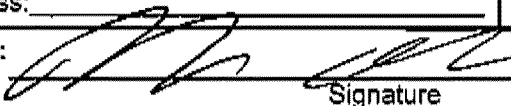


Form PTO-1595 (Rev. 07/05)
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5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Mark P. Dvorscak</u> Internal Address: <u>U. S. Dept. of Energy, IPLD</u> Street Address: <u>9800 S. Cass Ave</u> City: <u>Argonne</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;"> Signature Date <u>10/26/2012</u> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> Michael J. Dobbs #58,093 Name of Person Signing <div style="text-align: right;"> Total number of pages including cover sheet, attachments, and documents: 2 </div> </div>		

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CONFIRMATORY LICENSE

Title of Invention: NANOPARTICLES FOR HEAT TRANSFER AND THERMAL ENERGY STORAGE

Inventors: Dileep Singh, Sreeram Cingarapu, Elena V.. Timofeeva, Michael R. Moravek

Patent Application Serial No.: 13/627,749 Filing Date: September 26, 2012

Patent Number: Issue Date:

Contractor: UChicago Argonne, LLC
DOE Contract No.: DE-AC02-06CH11357
DOE Case No.: S-130,245 ANL Case No.: ANL-IN-11-115

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 8th day of October, 2012

Contractor Name: UChicago Argonne, LLC

By: 

Mark D. Hilliard
Chief Patent Counsel
Argonne National Laboratory
UChicago Argonne, LLC