

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Paul R. Ohodnicki</td> <td>07/01/2013</td> </tr> <tr> <td>Congjun . Wang</td> <td>06/28/2013</td> </tr> <tr> <td>Mark A. Andio</td> <td>07/01/2013</td> </tr> </tbody> </table>		Name	Execution Date	Paul R. Ohodnicki	07/01/2013	Congjun . Wang	06/28/2013	Mark A. Andio	07/01/2013
Name	Execution Date								
Paul R. Ohodnicki	07/01/2013								
Congjun . Wang	06/28/2013								
Mark A. Andio	07/01/2013								
RECEIVING PARTY DATA									
Name:	U.S. Department of Energy								
Street Address:	1000 Independence Avenue, S.W.								
Internal Address:	GC-62, 6F-048								
City:	Washington								
State/Country:	DISTRICT OF COLUMBIA								
Postal Code:	20585-0162								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13927223</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13927223				
Property Type	Number								
Application Number:	13927223								
CORRESPONDENCE DATA									
Fax Number:	2025867127								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	202-586-2810								
Email:	katherine.baldwin@hq.doe.gov								
Correspondent Name:	Katherine Baldwin								
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Address Line 2:	GC-62, 6F-048								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20585-0162								
ATTORNEY DOCKET NUMBER:	S-130,906								
NAME OF SUBMITTER:	Katherine Baldwin								
Signature:	/Katherine Baldwin/								

PATENT

Date:

09/23/2013

Total Attachments: 4

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U.S. Department of Energy Patent Assignment Form

Whereas, I/we, Paul R. Ohodnicki; Congjun Wang; Mark A. Andio

have invented certain new and useful improvements in :

PLASMONIC TRANSPARENT CONDUCTING METAL OXIDE NANOPARTICLES
AND FILMS FOR OPTICAL SENSING APPLICATIONS

, for which I/we have/will file an application for United States Letters Patent, identified

as: U.S. Application No. 13/927,223, filed June 26, 2013 (DOE No. S-130,906)

and;

WHEREAS, the Government of the United States desires to acquire the entire right, title, and interest in and to said invention and in and to any Letters Patent wherever they may be issued thereon;

NOW, THEREFORE, to all whom it may concern, be it known that good and valuable consideration, the receipt of which is hereby acknowledged, we by these presents do sell, assign, and transfer unto the said Government of the United States, as represented by the United States Department of Energy, and/or its assigns, the entire right, title, and interest in and to the said invention and in and to any and all Letters Patent wherever they may be granted thereon as well as reissues and extensions of said Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held or enjoyed by us had this assignment not been made.

I/We agree to make, execute, and deliver unto the Government of the United States, or to the United States Department of Energy, any and all papers, documents, affidavits, renewal, divisional and reissue applications, statements, or other instruments in such usual or other forms, terms and contents as may be required by the United States Department of Energy, or its duly authorized representative, in or incident to the prosecution or conduct of any and all applications, before as well as after the issuance of any Letters thereon, or in the adjustment or settlement of any interferences or other actions or proceedings that said applications may encounter or in which they may become involved and we agree that we will encounter or in which they may become involved and we agree that we will aid the Government of the United States in every way in protecting the inventions as may be requested by the United States Department of Energy or its assigns, except that any expenses arising through extending such assistance will be paid for by proper arrangement with the Government of the United States.

Inventor:

Full name of Inventor: Paul R. Ohodnicki

Inventor's signature: Paul R. Ohodnicki Date 7/11/13Address: 3943 Bonita Drive, Allison Park, PA 15101**Witness to Signature:**Full name of Witness: Jessica Mae SosenkoWitness' Signature: Jessica Mae Sosenko Date 7-1-13

Assignment to DOE regarding: U.S. Application No. 13/927,223, filed June 26, 2013 (DOE No. S-130,906)

PLASMONIC TRANSPARENT CONDUCTING METAL OXIDE NANOPARTICLES AND FILMS FOR OPTICAL SENSING APPLICATIONS

Inventor:

Full name of Inventor: Congjun Wang

Inventor's signature: Congjun Wang Date 06/28/2013Address: 2965 O'Neill Drive, Bethel Park, PA 15102**Witness to Signature:**Full name of Witness: Jessica Mae SosenkoWitness' Signature: Jessica Mae Sosenko Date 6-28-13

Assignment to DOE regarding: U.S. Application No. 13/927,223, filed June 26, 2013 (DOE No. S-130,906)

PLASMONIC TRANSPARENT CONDUCTING METAL OXIDE NANOPARTICLES AND FILMS FOR OPTICAL SENSING APPLICATIONS

Inventor:

Full name of Inventor: Mark A. Andio

Inventor's signature: Mark AndioDate 7-1-13

Address:

195 Dell Avenue, Apt. 302, Pittsburgh, PA 15216**Witness to Signature:**Full name of Witness: Jessica Mae SosenkoWitness' Signature: Jessica Mae SosenkoDate 7-1-13

Assignment to DOE regarding: U.S. Application No. 13/927,223, filed June 26, 2013 (DOE No. S-130,906)

PLASMONIC TRANSPARENT CONDUCTING METAL OXIDE NANOPARTICLES AND FILMS FOR OPTICAL SENSING APPLICATIONS

Contractor Approval and Consent:Full Name: KEVIN SCOTT DONOVANSignature: Kevin Scott DonovanDate 7/1/13Title: PROGRAM MANAGEROrganization: URS RES. + ENGR. SVCS.**Witness to Signature:**Full name of Witness: LEAH ALYSON BOWERWitness' Signature: Leah Alyson BowerDate 7/1/13

Assignment to DOE regarding: U.S. Application No. 13/927,223, filed June 26, 2013 (DOE No. S-130,906)

PLASMONIC TRANSPARENT CONDUCTING METAL OXIDE NANOPARTICLES AND FILMS FOR OPTICAL SENSING APPLICATIONS

Government Acceptance:

Accepted for the Benefit of the Government of the United States.

Full Name: John T. Lucas


Signature: 

Date 9/23/13

Title: Assistant General Counsel for Technology Transfer
and Intellectual Property

Witness to Signature:

Full name of Witness: Katherine Baldwin

Witness' Signature: 

Date 9/23/2013

Acceptance of assignment to DOE regarding: U.S. Application No. 13/927,223, filed June 26, 2013 (DOE No. S-130,906)

PLASMONIC TRANSPARENT CONDUCTING METAL OXIDE NANOPARTICLES AND FILMS FOR OPTICAL SENSING APPLICATIONS