502979836 09/17/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3026436

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PAUL R. OHODNICKI JR.	02/24/2014
THOMAS D. BROWN	02/24/2014
MICHAEL P. BURIC	02/21/2014

#### **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**

Property Type	Number
Application Number:	14177306

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	S-131,844
NAME OF SUBMITTER:	KATHERINE BALDWIN
SIGNATURE:	/Katherine Baldwin/
DATE SIGNED:	09/17/2014

### **Total Attachments: 5**

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PATENT 502979836 REEL: 033758 FRAME: 0521

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> PATENT REEL: 033758 FRAME: 0522

14/177304

# U.S. Department of Energy Patent Assignment Form

Whereas, I/we, Paul R. Ohodnicki; Thomas D. Brown; Michael P. Buric; Christopher Matranga

have invented certain new and useful improvements in :

NANOCOMPOSITE THIN FILMS FOR OPTICAL TEMPERATURE SENSING

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

as: U.S. Pat. Application 14/177,306, filed February 2, 2014 (S-131,844)

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, Jr.		
Inventor's signature:	fol 11.0 lander	Date	2/24/14
Address:	3943 Bonita Drive, Alison Park, PA 15101		
Witness to Signature	: Nae		
Full name of Witness:	: Mae Jessicay Sosenko		
	`		
Witness' Signature: (	Jessica M Soserto	Date	7-24-14
Assignment to DOE regardin	g: US) Pat. Application 14/177,306, filed February 2, 20	14 (S-13°	1,844)
NANOCOMPOSITE THIN FILM	IS FOR OPTICAL TEMPERATURE SENSING		
Inventor:			
Full name of Inventor:	Thomas D. Brown		
		<u> </u>	//-
Inventor's signature:	Lambo Tr	Date	052/28/2
Address:	3012 Ohio Avenue, Finleyville, PA 15332	·	
Witness to Signature	:		
Full name of Witness:	Jessica Mae Sosenko		
Witness' Signature:	Sussical Secreto	Date	2-28-14
Assignment to DOE regarding	g: U.S. Pat. Application 14/177,306, filed February 2, 20	14 (S-131	,844)

NANOCOMPOSITE THIN FILMS FOR OPTICAL TEMPERATURE SENSING

Inventor: Full name of Inventor:			, , , , , ,
Inventor's signature:	Much Mario	Date	2/21/14
Address:	1831 North Avenue, Pittsburgh, PA 15209	)	r
Witness to Signature: Full name of Witness:	Lisa A. Baker		÷
Witness' Signature:	LisaA. Baker	Date	2/21/14
Assignment to DOE regarding	g: U.S. Pat. Application 14/177,306, filed February 2, 201	4 (S-131	,844)
NANOCOMPOSITE THIN FILM	S FOR OPTICAL TEMPERATURE SENSING		

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Inventor:		
Full name of Inventor:	Christopher Matranga	
Inventor's signature.		Date
Address:	1010 Downlook Street, Pittsburgh, PA 15	201
Witness to Signature:	(see page 4 of 5	5)
Full name of Witness:		
.i		
Witness' Signature:		Sate
Assignment to DOE regarding	g: U.S. Pat. Application 14/177,306, filed February 2, 20	14 (S-131,844)
NANOCOMPOSITE THIN FILM	S FOR OPTICAL TEMPERATURE SENSING	

Full name of Inventor:	Michael P. Buric	
nventor's signature:	Date	
Address:	1831 North Avenue, Pittsburgh, PA 15209	,
Vitness to Signature: Full name of Witness:	(see page 3 of 5)	
Nitness' Signature:	Dete	
Accionment to DOC recording	U.S. Pat. Application 14/177,306, filed February 2, 2014 (S-131,8	11

Inventor:				
Full name of Inventor: Christopher Matranga		_		
Inventor's signature:	Date	2/20/2014		
Address: 1010 Downlook Street, Pittsburgh, PA 1520	)1	,		
Witness to Signature:  Full name of Witness: Jessica Soserto				
The second of th		2-20-14		
Assignment to DOE regarding: U.S. Pat. Application 14/177,306, filed February 2, 2014 (S-131,844)				
NANOCOMPOSITE THIN FILMS FOR OPTICAL TEMPERATURE SENSING				

<b>Contractor Approval</b>	and Consent:	
Full Name:		
Signature:	Date	
Title:		
Organization:		
Witness to Signature Full name of Witness:		
Truit hame of vittless.		WW.,
Witness' Signature:	Date	
Assignment to DOE regarding	g: U.S. Pat. Application 14/177,306, filed February 2, 2014 (S-13)	(,844)
NANOCOMPOSITE THIN FILM	AS FOR OPTICAL TEMPERATURE SENSING	
Government Accepta Accepted for the Bene	ince: fit of the Governingnt of the United States.	
Full Name:	John T. Micas	
Signature:	Date	3 13 14
Title:	Asst General Coursel for Ted	molegy
	Transfer + Intellectual Property	0 (
Witness to Signature	11/1	
Full name of Witness:	Kathering Baldwir	
Witness' Signature:	Hath Balde Date	3-13-2014
Acceptance of assignment to	DOE regarding: U.S. Pat. Application 14/177,306, filed February (S-131,844)	
NANOCOMPOSITE THIN FILM	AS FOR OPTICAL TEMPERATURE SENSING	