503356521 06/18/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	1

CONVEYING PARTY DATA

Name	Execution Date
RYAN THOMAS SMITH	07/15/2014
TAPASVI LOLLA	07/25/2014
LOU LHERBIER	07/25/2014
DAVID NOVOTNAK	07/25/2014

RECEIVING PARTY DATA

Name:	THE OHIO STATE UNIVERSITY	
Street Address:	1960 KENNY ROAD	
City:	COLUMBUS	
State/Country:	ОНЮ	
Postal Code:	43210-1063	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14743348	

CORRESPONDENCE DATA

Fax Number:

(704)599-8719

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone:	704-599-8911
Email:	jmh@THLIP.COM
Correspondent Name:	TREGO, HINES & LADENHEIM, PLLC
Address Line 1:	9300 HARRIS CORNERS PARKWAY
Address Line 2:	SUITE 210
Address Line 4:	CHARLOTTE, NORTH CAROLINA 28269-3797

ATTORNEY DOCKET NUMBER:	1036/239US
NAME OF SUBMITTER:	JONATHAN M. HINES
SIGNATURE:	/Jonathan M. Hines/
DATE SIGNED:	06/18/2015
Total Attachments: 3	

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ASSIGNMENT

For good and valuable consideration of which we acknowledge receipt, we:

(nanc)
Ryan Thomas Smith
Tapasvi Lolla
Lou Lherbier
David Novotnak

of Findlay, OH of Columbus, OH of Pittsburgh, PA of Pittsburgh, PA

hereby sell and assign to:

The Ohio State University, 1960 Kenny Road, Columbus, OH 43210-1063

(hereinafter referred to as "Assignee"), its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements invented and originated by us and described in the following United States Patent Application:

Serial No. (if known): 62/014,498

Filing Date (if known): June 19, 2014

Title: COBALT-FREE, GALLING AND WEAR RESISTANT AUSTENITIC STAINLESS STEEL HARD-FACING ALLOY

And any priority applications listed in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date

(We hereby authorize and request the Assignee or its delegated attorneys or agents to insert above the application number(s) and filing date(s) of the application(s) when known.)

And any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said above application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Assignee, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Assignee, we will communicate to said Assignee or its representatives or nominees any facts known to us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

WITNESS MY hand and seal this 25 day of July ,2014.	
Tapanni	
Tapasvi Lolla	
RIALO NOTARY ACKNOWLEDGMENT	
STATE OF COUNTY OF COUNTY OF /////////////////////////////	
I, BNHAMY VANCE, a Notary Public for said County and State do hereby certify that	
<u>Tapasvi Lolla</u> appeared before me personally and signed the aforementioned Assignment.	
This the 25tday of JULY, 2014.	
Noter Public	
My Commission Expires	
SEAL * BRITTANY VANCE Notary Public In and for the State of Ohio My Commission Expires April 17, 2018	

PATENT REEL: 035862 FRAME: 0617

WITNESS MY hand and s	seal this 15 day of	July	,2014.		······································
Ryan Thomas Smith	- lk			۰.	
21-		DTARY ACKNOW			
state of <u>Dhia</u> I, <u>Daniel</u> Br	·	_ COUNTY OF _	Franklin		
	(certify that
<u>Ryan Thomas Smith</u> app	beared before me personall	y and signed the afo	rementioned Assignmen	nt.	•
This the <u>15</u>	_day of	, 2014.		Notary Public My Commi	, BRYAN b, State of Ohio ssion Expires
My Commission Expires _		. <u></u>		Decemb	er 19, 2016
SEAL			ATE OF	Office	
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		<i></i>			
WITNESS MY hand and	seal this day of	•	,2014.	<u> </u>	
		• •		·	
Tapasvi Lolla		OT LOW LOWNON			1
	Ņ	OTARY ACKNOW			
STATE OF		COUNTY OF		w and State do hereby	certify that
	before me personally and			y and State do hereby	certify that
Tapasvi Loita appeared	before me personany and	signed the aforemen	aloned Assignment.		
This the	day of	, 2014.			
· · · · · · · · · · · · · · · · · · ·	Notary Public				
My Commission Expires					
SEAL					
		•	·		
L		Page 2	<u> </u>	<u> </u>	

PATENT REEL: 035862 FRAME: 0618

WITNESS MY hand and seal this 25^{m} day of 5_{1} , 2014.
Jan thestyer
NOTARY ACKNOWLEDGMENT
STATE OF PUNNSylves, is COUNTY OF All equily
I, <u>Churles</u> <u>DevidSon</u> , a Notary Public for said County and State do hereby certify that
Lou Lherbier appeared before me personally and signed the aforementioned Assignment.
This the $\frac{25^{th}}{25^{th}}$ day of $\frac{51}{25^{th}}$, 2014.
, 2014.
Notary Public
My Commission Expires $(1 - \frac{1}{26} - \frac{1}{2000})$
SEAL
COMMONWEALTH OF PENNSYLVANIA Notarial Seal
Charles Davidson, Notary Public Bethel Park Boro, Allegheny County
My Commission Expires April 26, 2016 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES
WITNESS MY hand and seal this 25^{m} day of $\overline{J_{1}}$, 2014.
A. M. t. D
David Novotnak
NOTARY ACKNOWLEDGMENT
STATE OF <u>Plansidionic</u> COUNTY OF <u>Allophy</u>
I, Cherles Devident, a Notary Public for said County and State do hereby certify that
David Novotnak appeared before me personally and signed the aforementioned Assignment.
This the 35^{th} day of $5/y$, 2014.
Notary Public
My Commission Expires $4 \cdot 26 \cdot 2016$
SEAL
COMMONWEALTH OF PENNSYLVANIA Notarial Seal
Charles Davidson, Notary Public Bethel Park Borg, Alleghany County
My Commission Expires April 26, 2016 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

PATENT REEL: 035862 FRAME: 0619