504089835 11/10/2016

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4136503

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LEI WANG	08/05/2013
MATTHIAS HORTHEIS	09/12/2013
WEIMING ZHANG	08/05/2013

RECEIVING PARTY DATA

Name:	HERAEUS PRECIOUS METALS NORTH AMERICA CONSHOHOCKEN LLC	
Street Address:	24 UNION HILL ROAD	
City:	WEST CONSHOHOCKEN	
State/Country:	PENNSYLVANIA	
Postal Code:	19428	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15258248

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: JAMIE TESFAZION
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Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	136617.00921	
NAME OF SUBMITTER:	JAMIE TESFAZION	
SIGNATURE:	/Jamie Tesfazion/	
DATE SIGNED:	11/10/2016	

Total Attachments: 6

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ASSIGNMENT

THIS ASSIGNMENT, made on the date set forth below by Lei WANG; Matthias HÖRTHEIS; and Weiming ZHANG, residing at 1700 Butler Pike, Apt. 19F,

Conshohocken, Pennsylvania 19428; Weidenweg 1d, 63454 Hanau, GERMANY; and
641 Broadmoor Drive, Blue Bell, Pennsylvania 19422, respectively (hereinafter referred to as the Assignors), witnesseth:

WHEREAS, said Assignors have invented certain new and useful improvements in CONDUCTIVE THICK FILM PASTE FOR SOLAR CELL CONTACTS set forth in Provisional Application No. 61/625,383 filed 04/17/2012 and in an application for Letters Patent of the United States, identified as Application No. 13/864,331 filed 04/17/2013; and

WHEREAS, Heraeus Precious Metals North America Conshohocken LLC, a corporation duly organized under and pursuant to the laws of the State of Pennsylvania having its principal place of business at 24 Union Hill Road, West Conshohocken, Pennsylvania 19428 (hereinafter referred to as the Assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the said Assignors have sold, assigned, transferred and set over, unto the Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United

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continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignors, had this sale and assignment not been made.

AND for the same consideration, the said Assignor hereby covenant and agree to and with the said Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the said Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said Assignors hereby covenant and agree to and with the said Assignee, its successors, legal representatives and assigns, that the said Assignors will, whenever counsel of the said Assignee or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, that any division, continuation or continuation-in-part of any application for Letters Patent, or reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and

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do all acts necessary or required to be done for the procurement, maintenance,

enforcement and defense of Letters Patent for said inventions, without charge to the said

Assignors, their successors, legal representatives and assigns, but at the cost and expense

of the said Assignee, its successors, legal representatives and assigns.

AND said Assignors hereby request the Commissioner of Patent and Trademarks to issue

said Letters Patent of the United States to the said Assignee, as the assignee of said

inventions and the Letters Patent to be issued thereon for the sole use and behoof of the

said Assignee, its successors, legal representatives and assigns.

The undersigned hereby grant the firm of Blank Rome LLP the power to insert on

this Assignment any further identification which may be necessary or desirable in order

to comply with the rules of the United States Patent and Trademark Office for recordation

of this document.

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Date: Hung	ust 5, 2013		Lei ₩ang		
United States of Am State of County of)) ss.:)			
On this 5 Hg personally came	Lei Wang	, to n	ne known to be		
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	My Commission Expire	•	CONSHC	Notary Public DHOCKEN BORO MONTGOMER Commission Expires Agr 24, 20	
			Matthias Hört	heis	
Date:	***************************************				
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	My Commission Expire	es:			

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		Lei Wang
Date:		
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		Matthias Hörtheis
Date: <u>120</u>	9.13	
United States of Am State of County of	erica)) ss.: _)
On this	day of Septem Matthias Hörth o executed the foregoing	instrument, and acknowledged execution White the individual instrument, and acknowledged execution in the individual instrument in the individual
	My Commission Expi	

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Weiming Zhang Date: United States of America State of County of day of 2013 , before me Weiming Zhang , to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same. My Commission Expires: NOTARIAL SEAL GAIL J HEIMBERGER Notary Public CONSHOHOCKEN BORO., MONTGOMERY CNTY My Commission Expires Apr 24, 2016