

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5189763

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	HERAEUS ORIENTAL HITEC CO., LTD.	09/27/2018
RECEIVING PARTY DATA		
Name:	HERAEUS DEUTSCHLAND GMBH & CO. KG	
Street Address:	HERAEUSSTRASSE 12-14	
City:	HANAU	
State/Country:	GERMANY	
Postal Code:	63450	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15778009
CORRESPONDENCE DATA		
Fax Number:	(202)772-5858	
<i>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.</i>		
Phone:	2024202200	
Email:	lhayes@blankrome.com, jyeddo@blankrome.com	
Correspondent Name:	BLANK ROME LLP	
Address Line 1:	1825 EYE STREET, NW	
Address Line 4:	WASHINGTON, D.C. 20006	
ATTORNEY DOCKET NUMBER:	140891.31700	
NAME OF SUBMITTER:	COLE DUNCAN, PH.D.	
SIGNATURE:	/Cole Duncan, Ph.D./	
DATE SIGNED:	10/16/2018	
Total Attachments: 2		
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ASSIGNMENT

This Assignment of Intellectual Property (this "Assignment"), dated below by and between Heraeus Oriental HiTec Co., Ltd., a company having a place of business at 183, Dokbae-ro, Nam-gu, 402-865 Incheon, South Korea (the "Assignor") and Heraeus Deutschland GmbH & Co. KG, a company having a place of business at Heraeusstraße 12-14, 63450 Hanau, Germany (the "Assignee").

WHEREAS, Assignor desires to transfer and assign to Assignee, and Assignee desires to accept the transfer and assignment of all of Assignor's right, title and interest in and to U.S. Application No. 15/778,009, filed May 22, 2018 and in and to the inventions therein and any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon (the "Assigned Intellectual Property").

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor agrees as follows:

1. Assignor does hereby sell, transfer, convey, assign, grant, set over and deliver to Assignee, all of Assignor's right, title, and interest in and to the Assigned Intellectual Property, and in and to any and all reissues, reexaminations or extensions of the Assigned Intellectual Property, and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part, and all rights under the International Convention for the Protection of Industrial Property, free and clear of all Liens, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns, designees, nominees and other legal representatives as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made, together with (i) all causes of action (in law or equity) claims, demands and any other rights for, or arising from, any past or future infringement, of the Assigned Intellectual Property, and (ii) the right to sue for and collect any past and future damages for the use and benefit of Assignee and Assignee's successors, assigns, designees, nominees and other legal representatives.

2. Assignor hereby covenants and agrees 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 Assigned Intellectual Property, 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.

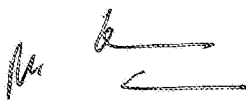
3. As may be requested by Assignee or its designee or other legal representative from time to time after the date hereof, Assignor agrees to assist Assignee, or Assignee's successors, assigns, designees, nominees or other legal representatives, in a commercially reasonable manner, without further consideration, to (i) evidence, record, and perfect the assignment of the Assigned Intellectual Property and (ii) secure Assignee's rights in the Assigned Intellectual Property including, but not limited to, the execution, delivery and filing of all applications, specifications, oaths, assignments,


powers-of-attorney, and similar instruments that Assignee deems necessary to assign and convey to Assignee, or Assignee's successors, assignees, designees, nominees or other legal representative, all right, title and interest in and to the Assigned Intellectual Property.

4. Assignor hereby authorizes and request the Commissioner of the United States Patent and Trademark Office and all other applicable bureaus or offices whose duty it is to issue, certify, record and/or assign registrations or applications for service marks, trademarks, patents, copyrights, Internet domain names or other forms of intellectual property protection, to issue, certify record and/or assign as appropriate, the Assigned Intellectual Property to Assignee and Assignee's successors, assigns, designees, nominees and other legal representatives in accordance with the terms of this Assignment.

IN WITNESS WHEREOF, this Assignment has been executed as of the day and year first written below.

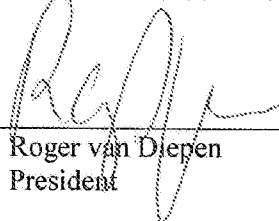
Heraeus Deutschland GmbH & Co. KG

By: 
Name: Dr. Klemens Brunner
Title: Managing Directors


Name: Ralph Meschkat
Title: Managing Directors

Date: September 28, 2018

Heraeus Oriental HiTec Co. Ltd.

By: 
Name: Roger van Diepen
Title: President

Date: September 27, 2018